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WWW URL: https://www.math.utah.edu/~beebe/

26 September 2024
Version 1.36

Title word cross-reference

$100 [4158]. **$11.95** [4073]. **$120.00** [4201]. **$125.00** [4234, 4216]. **$135** [4206, 4079]. **$145** [4061]. **$148.00** [4096]. **$156.00** [4252]. **$156.35** [4242]. **$159** [4241, 4260]. **$159.00** [4140, 4173, 4150, 4144, 4142]. **$16.95/£** [4291]. **$168.00** [3996]. **$175** [4172]. **$190** [4241, 4189, 4260, 4136]. **$190.00** [4251, 4173, 4249, 4169, 4170, 4174]. **$190.000** [4290]. **$195.00** [4250]. 2 [2696, 3666]. **$22.50** [555]. **$24.99** [4105]. **$26.95** [4292]. **$28.00** [4132, 4024, 4200]. 3 [2779, 3328, 3781, 3145, 2223]. $3 + 1$ [3185]. **$32.00** [4143]. **$38/£** [4114]. 4 [3432, 4354]. **$40** [4233]. **$40.00** [4244]. **$45.00** [4095]. **$48.00** [4070]. **$50** [4233]. **$50.00** [4244]. **$64** [4283]. **$68.00** [4010, 4086]. **$69.95** [4186]. **$69.99** [4146]. **$7.00** [662]. **$78.00** [4098, 4067]. **$78/£** [4114]. **$79.99** [4254, 4107]. **$84.99** [4130]. **$88.00** [4029]. **$90.00** [4201]. **$95** [4131]. **$95.00** [4139]. **$98** [4108]. **$98.00** [4068]. ^{28} [2892]. ^{3} [730, 1107]. ^{4} [1737]. $^{(R)}$ [3438]. $_{2}$ [1139, 4180]. $_{3}$ [4180]. $^{+}_{3}$ [1642]. $_{4}$ [4180]. $_{c}$ [1580]. a [3726]. α [2177, 2165]. β [141]. $\mathcal{PT}$ [2138]. $E = mc^2$ [4067]. Λ

[4076, 3222]. *M* [3420].

-D [2223]. **-dimensional** [3781]. **-history** [3420]. **-particle** [141]. **-quartz** [2177]. **-symmetric** [2138]. **-theorem** [3726].

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/978-0-19-885188-2 [4156].

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1 [4137, 4271, 4221, 21, 4021, 4044, 4008, 4015, 4283, 4205, 4131, 4129, 4276, 2701, 11, 4039, 4033, 3187]. **1-032-2029-0** [4283]. **10.00** [834]. **100** [2312, 3171]. **100th** [3461]. **105s** [291]. **110.00** [4196]. **114** [112]. **11th** [278]. **125-£** [4183]. **12th** [277]. **13th** [277]. **14.60** [834]. **15pp** [4081]. **16th** [276]. **1920s** [3363]. **1925** [3048]. **1926** [2585]. **1931** [2778]. **1940** [3857]. **1944** [1136]. **1945** [1092]. **1959** [50]. **1960** [75, 51, 137, 89, 76]. **1961** [193, 156, 144]. **1962** [158, 180, 242, 214]. **1963** [221, 261, 278, 277, 276]. **1964** [366, 338, 308, 316]. **1975** [834]. **1981** [1131]. **19th** [365]. **1st** [2945, 3947, 4061, 4190, 4283].

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4122, 3209, 2997, 3827, 3917, 3949]. **2nd**
[4080, 4234, 2436, 2728, 3109, 3347, 4144, 3731, 2976, 2511, 3645, 3996, 3995, 4077, 4167, 3138, 2557, 2390, 2701, 4253, 3672, 3285, 3528, 2579, 4216, 2422, 2982, 2370, 2665, 2666, 2453, 2388, 2475, 2470, 2646, 2663, 2802, 2827, 3134, 3443, 3621, 3667, 3818, 3850, 4004, 3916, 4233, 4175, 2919, 2586].

3 [4286, 4268, 4191, 2082, 4029, 4098, 4196, 4141, 4047, 4091, 3078, 4099, 4224, 4019, 4201, 4208, 4199, 4142]. **307pp** [4156]. **331** [4028]. **3D** [4283]. **3rd** [3766, 2462, 2868, 4293, 2955, 2939, 3826, 4148, 3809, 2954, 2996, 3437, 3588, 3631, 4091, 4294, 2916, 2738, 2517, 3231, 2855, 3922, 4053, 2676, 4071, 4066, 2314, 3890, 2638, 2913, 2885, 3153, 3021, 3411, 2319].

4 [4275, 4000, 4210, 4035, 4025, 4001, 3459, 4187, 437, 4282, 3996, 4216, 4145, 2756]. **40** [3313]. **419-9** [4177]. **44th** [38, 36, 37, 39]. **45th** [97]. **461pp** [4081]. **46th** [158]. **48th** [308]. **49** [2329]. **496pp** [4175]. **4th** [3986, 2463, 4211, 2828, 2792, 3016, 4040, 3429, 3973, 3701, 3979, 3215, 2882, 193].

5 [2329, 4198, 4043, 4037, 4200, 4144, 4219, 4094]. **50** [2755]. **50th** [2238]. **565-1014** [4190]. **5s.Od.** [554]. **5th**
[4133, 3395, 2829, 4275, 180, 221, 4189, 2952, 2736].

6 [4010, 2772, 4135, 4143, 3102, 4190, 4031, 4040, 4093, 4218, 4022, 4036, 4265, 4147, 4004]. **60th** [4092]. **6th** [2335, 2373].

7 [4018, 4182, 4184, 4027, 4274, 4002, 4041, 3993, 3998, 3423, 3995, 4188, 4092, 4215]. **7th** [3721, 4092].

8 [4132, 2893, 4202, 4140, 4032, 3945, 4045, 4100, 4183, 4026, 4146, 4097, 4007, 4151, 4020, 4096, 4266, 4220, 4207, 4267]. **80** [3305, 2822]. **80th** [648, 3681].

9 [4016, 4217, 4139, 4206, 3425, 4006, 4046, 4024, 4186, 2644, 4017, 4197, 4189, 4095, 4034, 3997, 1844, 4185]. **9.80.** [869]. **90EUR** [4232]. **90th** [3412, 3976]. **978** [4132, 4010, 4016, 4211, 4137, 4225, 4286, 2893, 2772, 4217, 4284, 4275, 4202, 4268, 4135, 4140, 4139, 4038, 4000, 4032, 4210, 4273, 4271, 4206, 4035, 3425, 4005, 3945, 4045, 4018, 4028, 4182, 4184, 4191, 4221, 4027, 4100, 4143, 4183, 4272, 2329, 3102, 4030, 4285, 4138, 4026, 4190, 4148, 4198, 4006, 4021, 4130, 4222, 4274, 4025, 4002, 4001, 4046, 4043, 4041, 3999, 4029, 4044, 4008, 4024, 4098, 4196, 4141, 3459, 4031, 4037, 4047, 3993, 4040, 3994, 4048, 3957, 4042, 4003, 4015, 4091, 4146, 4187, 3998, 4097, 4150, 2644, 3423, 4007, 4017, 3078, 4099, 4093, 4200, 4151, 4205]. **978** [4224, 4019, 4282, 4131, 4197, 4201, 4223, 4218, 4020, 4022, 4036, 4189, 4144, 3996, 3995, 4129, 4208, 4188, 4219, 4276, 4199, 2701, 4095, 4096, 4094, 4265, 4266, 4220, 4092, 4142, 4147, 4216, 4034, 4004, 4039, 3956, 4033, 3997, 4023, 4136, 4207, 4215, 4145, 4185, 4267]. **978-0-12-804651-7** [4053]. **978-0-12-809279-8** [4054]. **978-0-12-809981-0**

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978-0-12-818642-8 [4183]. **978-0-12-821940-9** [4189]. **978-0-12-821987-4** [4216]. **978-0-19-289507-3** [4199]. **978-0-19-875986-7** [4162].
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978-0-19-882193-9 [4017]. **978-0-19-883025-2** [4203]. **978-0-19-883026-9** [4203]. **978-0-19-883191-4** [4025]. **978-0-19-884222-4** [4109].
978-0-19-885187-5 [4156]. **978-0-19-885188-2** [4156]. **978-0-19-885379-4** [4187]. **978-0-19-885836-2** [4158]. **978-0-19-886078-5** [4198].
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[4296]. **978-1-032-25607-8** [4267]. **978-1-032-27589-5** [4269].
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[3421]. **978-1-107-03629-1** [4015]. **978-1-107-07657-0** [4079].
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[4146]. **978-1-107-13522-2** [4157]. **978-1-107-13739-4** [4001].
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[4003]. **978-1-107-18229-5** [4037]. **978-1-107-18941-6** [4040].
978-1-107-18961-4 [4035]. **978-1-107-18963-8** [4066]. **978-1-107-19488-5**
[4165]. **978-1-107-68453-9** [3425]. **978-1-108-12049-4** [4210].
978-1-108-41507-1 [4063]. **978-1-108-41531-6** [4052]. **978-1-108-41846-1**
[4078]. **978-1-108-42209-3** [4019]. **978-1-108-42731-9** [4071].
978-1-108-42756-2 [4060]. **978-1-108-42808-8** [4020]. **978-1-108-42985-6**
[4061]. **978-1-108-42990-0** [4122]. **978-1-108-46650-9** [4034].
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[4092]. **978-1-108-48084-0** [4166]. **978-1-108-48368-1** [4168].
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[4065]. **978-1-108-72740-2** [4211]. **978-1-108-81978-7** [4105].
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[4185]. **978-1-108-90616-6** [4143]. **978-1-108-95315-3** [4286].
978-1-1087-0130-3 [4084]. **978-1-118-17361-9** [4116]. **978-1-119-26770-6**
[4235]. **978-1-119-27728-6** [4120]. **978-1-119-50616-4** [4250].
978-1-119-84086-2 [4273]. **978-1-138-49993-5** [4094]. **978-1-138-59878-2**
[4258]. **978-1-316-99574-7** [4215]. **978-1-4200-6471-1** [2701].
978-1-78634-490-8 [4069]. **978-1-78634-511-0** [3956]. **978-1-78634-572-1**
[4057]. **978-1-78634-704-6** [4070]. **978-1-78634-707-7** [4112].
978-1-78634-712-1 [4114]. **978-1-78634-725-1** [4114]. **978-1-78634-788-6**
[4265]. **978-1-78634-955-2** [4223]. **978-1-80061-342-3** [4243].
978-1-84831-044-5 [2329]. **978-1-84832-615-6** [2772]. **978-110-7106-77-2**
[4042]. **978-110-8426-71-8** [4058]. **978-110-8488-39-6** [4036].
978-111-9425-39-7 [3995]. **978-178-6346315** [4083]. **978-178-6347-03-9**
[4095]. **978-3-030-04078-9** [4115]. **978-3-030-05449-6** [4031].
978-3-030-12877-7 [4018]. **978-3-030-13612-3** [4091]. **978-3-030-50083-2**
[4149]. **978-3-030-53693-0** [4148]. **978-3-030-55936-6** [4118].
978-3-030-61372-3 [4171]. **978-3-030-62518-4** [4160]. **978-3-030-63409-4**
[4145]. **978-3-030-72530-3** [4208]. **978-3-030-75638-3** [4191].
978-3-0304-6776-0 [4154]. **978-3-0304-6776-0/ISBN** [4154].
978-3-0304-6777-7 [4154]. **978-3-0305-1846-2** [4155]. **978-3-319-70071-7**
[4110]. **978-3-319-74783-5** [4059]. **978-3-319-96360-0** [3957].

978-3-319-96835-3 [4047]. **978-3-527-34493-2** [4272]. **978-3-527-34759-9** [4242]. **978-3-527-40926-6** [4022]. **978-3-527-41405-5** [4295]. **978-3-527-83366-5** [4252]. **978-3-527-83616-1** [4295]. **978-3-527-83617-8** [4295]. **978-3-658-32645-6** [4218]. **978-4-431-54170-7** [3993]. **978-9-81-461268-5** [3337]. **978-9-81-461270-08** [3337]. **978-981-12-0119-6** [4004]. **978-981-12-0186-8** [4172]. **978-981-12-0423-4** [4106]. **978-981-12-0507-1** [4044]. **978-981-12-0645-0** [4123]. **978-981-12-0769-3** [4113]. **978-981-12-1389-2** [4138]. **978-981-12-1634-3** [4196]. **978-981-12-2646-5** [4293]. **978-981-12-2654-0** [4225]. **978-981-12-3114-8** [4163]. **978-981-12-4790-3** [4268]. **978-981-12-4792-7** [4268]. **978-981-12-4928-0** [4268]. **978-981-12-4959-4** [4256]. **978-981-12-6177-0** [4255]. **978-981-1230-51-6** [4231]. **978-981-15-9049-8** [4220]. **978-981-15-9437-3** [4254]. **978-981-1590-61-0** [4159]. **978-981-322-794-1** [4033]. **978-981-322-923-5** [4164]. **978-981-323-518-2** [4086]. **978-981-323-568-7** [3998]. **978-981-323-577-9** [4121]. **978-981-323-642-4** [3996]. **978-981-323-685-1** [4008]. **978-981-323-691-2** [4030]. **978-981-323-959-3** [4099]. **978-981-3233-331** [4028]. **978-981-3233-39-3** [4029]. **978-981-3237-70-4** [4067]. **978-981-3239-87-6** [4080]. **978-981-327-002-2** [3999]. **978-981-327-075-6** [4068]. **978-981-327-133-3** [4098]. **978-981-327-206-4** [4062]. **978-981-327-252-1** [4119]. **978-981-327-399-3** [4108]. **978-981-327-417-4** [4055]. **978-981-327-738-0** [4056]. **978-981-327-796-0** [4167]. **978-981-327-831-8** [4132]. **978-981-327-850-9** [4024]. **978-981-3272-24-8** [4096]. **978-981-3276-82-6** [4010]. **978-981-3278-18-9** [3997]. **978-981-4350-51-8** [2893]. **978-981-4612-67-8** [3337]. **978-981-4616-96-6** [3423]. **978-981-4616-97-3** [3423]. **978-981-4616-99-7** [3423]. **981** [2082]. **981-238-004-3** [2082]. **98pp** [4057]. **9th** [193].

A-Handbook-of-Mathematical-Methods-and-ProblemSolving-Tools-for-Introductory-Physics-Second-Edition [4201]. **Á.S** [2979]. **Aaron** [2932]. **Abbott** [2419]. **ABC** [2989]. **ABCs** [4223]. **Abdus** [2870, 2239, 3976]. **Abhay** [3508]. **Abingdon** [4271, 4257, 4259, 4269, 4270]. **above** [2459, 2508, 2412, 2301, 2394, 2372, 2355, 2432, 2373, 2656, 2484, 2721, 2736, 3069, 3021, 4207]. **Abragam** [3026, 129]. **Abraham** [3081, 2748]. **Abrahams** [2755]. **Absolute** [1476, 430, 229]. **Absorption** [2680, 141, 573, 3966, 135, 911]. **abstract** [3525]. **Absurdly** [4352]. **Academic** [584, 4009, 3776, 4211, 2311]. **academics** [2396, 2884, 3432]. **Accardi** [2945]. **Acceleration** [2569, 2480, 1656, 1648, 430]. **Accelerator** [2757, 3371, 1660, 3208, 1276, 1029, 3921, 3484, 3052, 3986, 2885]. **Accelerators** [3442, 3618, 3988, 3173, 1959, 1054, 3350, 3349, 3371, 2489]. **accessible** [3244, 2343, 3078]. **Accident** [1154]. **according** [3469, 3949]. **account** [1098, 2392, 2534, 2906]. **accounted** [1171]. **Accounts** [2637]. **Accreting** [2441]. **Accurate** [125]. **Acharya** [2943]. **acoustic** [482, 191, 1203, 3360]. **acoustics** [4120, 1726, 969, 1000]. **acquisition** [3351].

Across [2350, 141, 3931, 3601]. **actinide** [636]. **actinides** [913]. **Action** [2301, 2884, 1839, 2005, 3762]. **Active** [3266, 3094, 2835, 1516, 3891, 2467, 2432]. **Activity** [2993, 3354, 2013, 2325, 470, 2440, 3897]. **actual** [3593]. **Acuña** [4170]. **ad** [2104]. **Adachi** [3083]. **Adaptation** [2695]. **Adaptive** [2589, 2638, 3388, 3701]. **added** [4117]. **Addison** [3768]. **additive** [626]. **Adiabatic** [227, 405, 723]. **Adil** [4290]. **administrative** [397]. **administrators** [2548, 3206]. **Adrian** [3017, 4198, 3188, 3673]. **AdS** [3592, 2893]. **AdS/CFT** [3592, 2893]. **Advanced** [3333, 2926, 3037, 2801, 4358, 3364, 3232, 2416, 3014, 2322, 3178, 2921, 4120, 4060, 2883, 3122, 3318, 3393, 3211, 3052, 3350, 2502, 2788, 3073, 3509, 4241, 4217, 4284, 4275, 2936, 3180, 4202, 3301, 2911, 3107, 2458, 3011, 2966, 3485, 3072, 4293, 2865, 3384, 2459, 3383, 4184, 3349, 3137, 4113, 2866, 3035, 2942, 3142, 3123, 3296, 3658, 3023, 3507, 2749, 2842, 2838, 2836, 2853, 3275, 3194, 3353, 3408, 3488, 4183, 4240, 4272, 3144, 2428, 3092, 2907, 3168, 2735, 2494, 2992, 3245, 2541, 2845, 2901, 4072, 4178, 4190, 4198, 4252, 3279, 3343, 3344, 3450, 3452, 4257, 4259, 4269, 4281, 4295]. **advanced** [3323, 3407, 2887, 3184, 4242, 4250, 3081, 3043, 2993, 3435, 3438, 3437, 3422, 4105, 2597, 3099, 4187, 4294, 3418, 2348, 2387, 3046, 3224, 3287, 3196, 3270, 2333, 3431, 3233, 3366, 3429, 2844, 4165, 3034, 3235, 3398, 3492, 2891, 3128, 2365, 2817, 3114, 3277, 3005, 3210, 3415, 3446, 4186, 2292, 2461, 3423, 3026, 2950, 2881, 2929, 2594, 2497, 2899, 2649, 2499, 3084, 3259, 3307, 4200, 4205, 3049, 3231, 3234, 3065, 3216, 2839, 3248, 3282, 3272, 2664, 2415, 2835, 2874, 2924, 2837, 2834, 2880, 3062, 3066, 3119, 2997, 3063, 4054, 4083, 4053, 4080, 4079, 4169, 4170, 4189, 4234, 2436]. **advanced** [2657, 2677, 2676, 2943, 2909, 2728, 2782, 3183, 3096, 3064, 3414, 3380, 3476, 4071, 4255, 4188, 4276, 4070, 4066, 4077, 4167, 4297, 2310, 2314, 2390, 2608, 2620, 2896, 3228, 3461, 4253, 4265, 4266, 2719, 2805, 3148, 3255, 3264, 3265, 3482, 3483, 3151, 4174, 2579, 4216, 2468, 2501, 3286, 2951, 2947, 2298, 2401, 2398, 2451, 2399, 2619, 3191, 3185, 3278, 4290, 2488, 2905, 3087, 2848, 2454, 2453, 2388, 2373, 2470, 2613, 2646, 2591, 2656, 2663, 2484, 2956, 2721, 2736, 3082, 3068, 3153, 3041, 3021, 3242, 3170, 3260, 3411, 3338, 3372, 3475, 3495, 4058, 4207, 4176, 4215, 4175, 4185, 2922]. **advanced** [2915, 2882, 2967, 2919, 2852, 2704, 4101, 2744, 3741, 3750, 2615, 3076, 3661, 3235, 2395, 2713, 2744, 2873, 2875, 4166, 2401, 3191, 3746]. **advanced/research** [2428]. **Advances** [3326, 1020, 4224, 2750, 3132, 771, 768, 963, 1203, 39, 2921, 3051, 2798, 2775, 4159, 3874, 3882, 3735, 3028, 44]. **Advancing** [90, 4125]. **advent** [4163]. **Adventure** [2933, 3603]. **Adventures** [2581, 2496, 3942, 4109, 2922]. **Advice** [4239, 2548]. **Advisory** [391]. **Aegerter** [4034]. **Aeppli** [3539]. **Aerodynamics** [2841, 3741]. **aerosol** [706]. **aerosols** [451]. **Aert** [4224]. **Aerts** [3320]. **afraid** [4145]. **after** [3468, 1628, 4048, 3465, 3949, 3267]. **afterglow** [736]. **aftermath** [3225]. **AG** [4208, 4171]. **again** [1543]. **against** [3603]. **Agarwal** [3019]. **Age** [3405, 4335, 4341, 4342, 18, 43, 3875, 1903, 1951, 1762, 1741, 2143, 1631, 3857,

3111, 3149, 3810]. **Agency** [834]. **Agents** [3095]. **Ages** [3044, 3802]. **aggiornamento** [86]. **aggregates** [1357]. **Aggregation** [1357, 1912]. **Agio** [3367]. **Agop** [3554]. **Agranovich** [3632]. **Agrawal** [2820]. **Agresti** [3562]. **agricultural** [4240]. **Aharonov** [1685]. **Aharony** [4096]. **Ahmed** [3401, 3432]. **Ahufinger** [3022]. **Aichelin** [4159]. **aids** [307, 846]. **Aihara** [4173]. **aims** [1778]. **AIP** [4206]. **air** [517, 2085, 2216, 4049, 1050, 138, 1035]. **Airless** [4054]. **Aitchison** [3509, 3216, 2263]. **Ajawad** [3315]. **Akhlesh** [2546]. **Akinwande** [2838]. **Akio** [3319]. **Akira** [3501]. **Al** [4291, 2857]. **Al-Khalili** [4291, 2857]. **Alain** [2686, 3287, 2929, 2760]. **Alamos** [1092, 1092]. **Alan** [3013, 3562, 3066, 3506]. **Alastair** [2904]. **Alavi** [3504]. **Albert** [1165, 3473, 3461, 1165, 3473, 2912]. **Alberto** [2565, 3608, 2624]. **alchemist** [4027, 1972, 2026]. **alchemy** [4132, 1688]. **Alcubierre** [3185]. **Alessandro** [3317, 3666, 3997]. **Alex** [2774, 2933, 2496, 3215, 2496]. **Alexander** [3079, 2767, 3133, 3371, 3577, 3492, 3189, 3208, 2804, 3606, 4]. **Alexei** [3079]. **Alexey** [3530, 4234, 3788]. **Alexia** [3659]. **Alfred** [3558]. **algebra** [1730, 1704]. **Algebraic** [2414]. **algebras** [3409, 4008]. **Algorithmic** [2568]. **algorithms** [3927, 1729, 3782, 3023]. **Ali** [3154, 2787, 3534]. **Aliaksandr** [4257]. **Alice** [1092]. **Alien** [3378]. **Alive** [3056]. **alkali** [1271]. **All-laser-driven** [3387]. **all-optical** [1594]. **Allan** [3506, 2580]. **Allday** [2498]. **Allemand** [3487]. **Allen** [291, 4117, 3064, 2953, 3164, 3622, 274, 282]. **Allori** [4154]. **Alloy** [3889]. **alloys** [314, 777, 1007, 295, 638, 536, 3103]. **almost** [2231, 3867]. **Alonso** [4032]. **Alpha** [1465, 2024]. **Alpha-particle** [2024]. **Also** [4225]. **Altarelli** [3935]. **Altena** [3082]. **alternating** [5, 398]. **Alternative** [3089, 2789]. **Alternatives** [2412]. **Altland** [3994]. **Alù** [3367]. **always** [981]. **Amabilino** [2503]. **Amador** [2533]. **Amaldi** [3442]. **Amanda** [2984]. **Amar** [2760]. **amateur** [3478, 3773, 3732, 2438, 3345]. **amateurs** [4261]. **Amati** [2311]. **Amazing** [2645]. **Ambjorn** [4271]. **Amen** [2876]. **American** [3751, 151, 479, 675, 701]. **Amir** [3956]. **Amiri** [3504]. **Amit** [3539, 3431]. **Ammon** [3498]. **Amoroso** [3261]. **amorphous** [1049, 901, 962, 543, 1278, 1282, 809, 3764]. **ampere** [13, 238, 185, 202]. **Amplifiers** [2820]. **amplitude** [3614]. **Amrein** [2492]. **Amy** [4186]. **Ana** [2771, 1844]. **Ana-Maria** [1844]. **analogies** [4243]. **Analogue** [3232, 164, 2731, 3640]. **analogues** [2731, 1892]. **Analysis** [4301, 1131, 2901, 633, 4326, 2623, 2943, 3188, 2592, 4078, 328, 802, 3715, 3947, 1841, 3895, 3808, 4222, 3577, 1886, 4007, 768, 299, 2727, 2354, 2940, 3629, 3793, 3868, 3896, 3131]. **analytic** [2359]. **Analytical** [2781, 2757, 3895, 475, 3943, 2845]. **Anand** [4178]. **Anantha** [2394]. **Ananthaswamy** [2519]. **Anatoliy** [4061]. **Anatoly** [2942]. **anatomy** [3078]. **Anca** [3240]. **Ancestry** [4351, 3423]. **ancient** [3251]. **ancillas** [3545]. **and/or** [2864]. **Anderson** [2755, 4048, 3766, 2886]. **Andrady** [4235]. **Andrea** [3179, 3004, 4146, 2526, 3367, 4208, 2400]. **Andreas** [2745]. **Andrei** [3576, 2898, 3277, 3483, 3306]. **Andrej** [4293]. **Andreotti** [3213]. **Andrés** [3189]. **Andrew** [3037, 4045, 3349, 3150, 3577, 3018, 2539, 2983, 2839, 3166, 2620, 3281, 2787].

Andrews [3274, 3087]. **Andrey** [2913]. **Andrzej** [3350]. **Andy** [4144]. **Anecdotal** [2827]. **Angelo** [4154, 4208]. **Anger** [2870]. **Angilella** [3652]. **Anglos** [2803]. **Angular** [414, 2629, 3087, 609, 2374]. **Angus** [2828]. **Anil** [2788, 2519]. **animal** [1399]. **animals** [4219]. **Anindya** [4251]. **Anisotropy** [464, 2126, 2546]. **Anisovich** [3218]. **Ann** [2537, 2933]. **Anna** [3022, 3472]. **Anne** [3433]. **annealing** [2170, 3782]. **annealing-based** [3782]. **Annemarie** [3408]. **Annibale** [3789]. **Annick** [4224]. **Anniversary** [2238, 3461, 4092]. **annotations** [3473]. **Annual** [391, 137, 97, 158, 180, 221, 289, 341, 308, 26, 98]. **anomalous** [781, 2275, 3866]. **anomaly** [2186]. **Answer** [2610, 3708]. **answers** [1545, 4114, 4080]. **ant** [1578]. **Antarctica** [2906, 3113]. **antennas** [1356, 3159, 2273, 3367, 3404]. **anthology** [3432]. **Anthony** [3509, 3097, 4235, 3216, 4253, 3528]. **anthropic** [1408]. **anti** [2120]. **anti-neutrino** [2120]. **anticipating** [4028]. **Antiferromagnetic** [943]. **antiferromagnetics** [912]. **Antihydrogen** [2212]. **Antikythera** [3249]. **Antimatter** [1781, 1647, 3981, 2392, 4025]. **antineutrino** [122]. **antiparticle** [4173]. **Antiprotonic** [1451]. **antiquities** [2405]. **Antiquity** [2887, 3044]. **Antoine** [2568]. **Anton** [2827]. **Antonello** [3179]. **Anupam** [2978]. **anvil** [1363]. **any** [2352]. **anybody** [2308]. **anyone** [2463, 2466]. **Anyons** [1521]. **Aoki** [2472]. **Aoyama** [2657]. **Aperiodic** [2389]. **apertures** [1737]. **Apollo** [2003]. **App** [3239]. **Apparatus** [268, 2463, 2463, 31]. **apparent** [457]. **apple** [1834]. **Application** [1913, 913, 425, 683, 2629, 2953, 3934, 832, 223, 587, 2961, 4095, 4265]. **application-driven** [3934, 4095, 4265]. **Applications** [2893, 554, 1371, 3371, 798, 2749, 2842, 2836, 3207, 3444, 885, 3165, 2541, 3930, 2394, 4321, 2457, 2566, 2771, 2716, 4227, 2584, 3058, 2517, 3310, 3276, 2924, 2782, 2592, 543, 593, 3766, 2094, 2170, 1340, 1177, 618, 818, 121, 4358, 422, 3638, 298, 4138, 567, 3858, 3557, 3617, 384, 3630, 134, 862, 3768, 2272, 2811, 759, 4255, 1099, 1480, 4266, 2147, 2454, 4215, 4168, 2883, 3051, 2386, 3038, 2942, 2948, 3408, 2975, 2342, 2791, 2625, 2965, 3280, 3204, 2726, 3003, 3447, 2803, 3084, 2998, 2784, 2943, 2825, 3183, 2607, 3014, 2717, 3059, 2579, 2799, 3082, 3068, 2598]. **applications** [3767, 3498, 4284, 3619, 4254, 3646, 4240, 4026, 4242, 4250, 4158, 3531, 3486, 3665, 4282, 56, 4249, 3634, 3735, 4070, 3537, 3503, 3814, 3743, 3581, 3775, 3799, 3947, 4235, 2743, 2793, 3872, 3940]. **Applied** [205, 3493, 150, 175, 3953, 2486, 3747, 3653, 154, 3714, 3961, 3047, 3883, 2523, 3996, 3977, 2488]. **Appraised** [3071]. **Approach** [2686, 2966, 3089, 4306, 3243, 2422, 2398, 2669, 3300, 2025, 3480, 211, 152, 3914, 3920, 3563, 3466, 2811, 3572, 3880, 4129, 4219, 3221, 2117, 745, 2432, 2291, 4139, 4052, 4199, 3672, 4147, 4216, 3475, 3746, 3840, 3424, 3884]. **approaches** [2604, 2685, 2807, 2431]. **appropriate** [4173]. **April** [3063]. **apse** [59]. **Aquatic** [834]. **archaeological** [2515]. **Archaeology** [2590, 150, 175, 577]. **Archimedes** [510]. **Architectural** [1000]. **Architecture** [1386, 3650, 3421]. **Architectures** [2795]. **Arditty** [1191]. **area** [4289]. **Aretxabaleta** [3656]. **Argand** [425]. **Argon** [3154]. **Arieh**

[3645, 3654]. **Ariel** [261]. **arising** [764, 3418, 240]. **aristocrat** [765]. **Aristotle** [2353]. **Arkadiusz** [3497]. **Arnab** [2594]. **Arnold** [2585, 3235, 4224]. **Arntzenius** [3182]. **Arregui** [3179]. **Arribas** [2779]. **Arrighi** [2319]. **arrow** [1928, 1835]. **Arrows** [2843, 3335]. **Art** [2417, 3520, 1058, 3472, 871, 3945, 820]. **Artés** [2979]. **Artful** [1858]. **Arthur** [1136, 3246, 739]. **article** [4154, 4221, 3448, 4270, 3432, 4224, 4172]. **articles** [2506]. **artificial** [840, 262, 2326, 3084]. **Artist** [4348, 3869]. **artistry** [4091]. **arts** [393]. **Arun** [3746]. **Arunachalam** [3014]. **Asa** [2772]. **Asher** [4058]. **Ashim** [2556]. **Ashok** [2936, 2693, 3409]. **Ashtekar** [3508]. **Asked** [4269]. **asking** [1974]. **Aslamazov** [2913]. **Aspect** [2686, 645, 2250, 3287, 2249]. **Aspects** [2897, 755, 3176, 1074, 2681, 162, 578, 1104, 2483, 135, 962, 4226, 3836, 228, 2609, 2976]. **aspiring** [4084]. **Aspuru** [3506]. **Aspuru-Guzik** [3506]. **Assael** [4269]. **Assembled** [2461, 2014]. **assessment** [1903, 1068, 1703]. **assisted** [1452]. **Association** [151, 75, 221, 136, 169, 307, 289, 341, 26, 98, 3654, 79, 147, 180, 213]. **Aste** [2334]. **Aster** [4053]. **asteroids** [1640, 1892, 3705]. **Asteroseismic** [4007]. **astra** [2104]. **astray** [2023]. **Astrobiology** [2089, 3129, 3263]. **astrochemistry** [3993]. **astrodynamics** [3685]. **astrometry** [4264, 3069, 3082]. **Astronautics** [2889]. **Astronomer** [2299, 944, 3926]. **astronomers** [4285, 2438, 3773, 3732]. **Astronomical** [2788, 3435, 1608, 2442, 3039, 3267, 3705, 4112, 1516, 2788, 2504, 4112, 2835]. **Astronomy** [3472, 2727, 353, 929, 2682, 4114, 4200, 4205, 3243, 2778, 3183, 4125, 3215, 4133, 617, 844, 2439, 1587, 4143, 1551, 1783, 87, 3577, 2519, 3060, 954, 352, 1419, 2169, 1081, 3985, 1661, 1233, 3388, 2450, 2779, 3016, 2871, 2420, 2610, 3564, 3708, 3643, 4040, 3532, 4065, 3655]. **Astroparticle** [2881, 3593]. **astrophotography** [892]. **Astrophysical** [2750, 1351, 3978, 2404, 3858, 3286, 2424]. **Astrophysics** [2788, 3168, 2457, 2566, 4323, 2884, 2295, 3082, 710, 2252, 1279, 3854, 3824, 2251, 2023, 3926, 1716, 3228, 1734, 2738, 2972, 2415, 2310, 4063, 4174, 3113, 3435, 3438, 3865, 2682, 2594, 3533, 2442, 3621, 3985]. **astrospheres** [3891]. **Asymmetric** [788, 800]. **asymmetry** [4173, 1647]. **asymptotic** [3954]. **asymptotics** [3828, 2776, 4293]. **Athanasios** [3666]. **Athanassoula** [2467]. **Atkins** [2829, 1359]. **Atlantic** [789]. **ATLAS** [2647, 3020, 3732, 4031, 4015, 2505, 3066, 3648]. **Atmosphere** [2890, 1699, 3520, 2032, 3790, 1806, 178, 670, 1987, 923, 2223, 4104, 3211, 2593, 2288, 2295]. **Atmospheres** [2654, 1022, 3733, 2618]. **Atmospheric** [3520, 644, 639, 2807, 2905, 1406, 706, 978, 1480, 3610]. **Atom** [1634, 2128, 1832, 623, 637, 653, 3048, 2067, 1458, 4277, 3464, 1947, 3161, 4230, 1677, 1452, 2131, 4142, 1378, 1942, 1892, 1221, 3800, 3224]. **Atom-atom** [623, 637, 653]. **atom-ion** [623, 637, 653]. **Atomic** [2921, 2788, 4298, 4299, 3322, 1791, 2329, 38, 578, 2706, 2129, 2834, 3048, 834, 1913, 3946, 631, 1412, 3, 1641, 3938, 1270, 2763, 1349, 1503, 1776, 1602, 4112, 1664, 4224, 2445, 1277, 3939, 1055, 2277, 412, 311, 1817, 2788, 77, 241, 675, 2329, 3245]. **atomic-resolution** [4224]. **Atomistic** [3127]. **Atoms**

[2220, 3393, 3022, 50, 4303, 1041, 3071, 1606, 4106, 3763, 1451, 1531, 2892, 1833, 565, 1720, 4118, 3659, 2175, 1119, 916, 1536, 1112, 800, 1162, 2287, 3631, 2107, 980, 1065, 1428, 623, 637, 1151, 1759, 2154, 4022, 2552, 3467, 1028, 1378, 1658, 2326, 2783, 2953, 4119, 2949, 3335, 3598, 3798]. **Attacks** [3517]. **Attard** [3038]. **attenuation** [203]. **Attosecond** [3011, 3729, 3550, 4172, 3696]. **attributes** [580]. **audience** [2427]. **Audretsch** [2371]. **Auffèves** [3659]. **Auger** [3792, 705]. **August** [3836]. **Augustyn** [4272]. **Auletta** [3282]. **Aung** [3319]. **aurora** [1648]. **Auroral** [3342, 604]. **Australia** [248]. **authenticating** [2405]. **authentication** [2228]. **author** [2074, 2151]. **authority** [810]. **autobiography** [3088, 3088]. **Automation** [323]. **automobiles** [1797]. **available** [4225]. **avalanches** [1792]. **Avijit** [2560]. **Avraham** [2991]. **award** [3476]. **award-winning** [3476]. **awards** [99]. **awkward** [735]. **Axel** [3531]. **Axelsson** [2441]. **Axions** [4261, 2225]. **axis** [4241]. **Azároff** [2639]. **azoic** [1622].

B [3111, 2989, 2911, 3750, 3723, 3692, 3800, 4123, 4069, 2412, 1040, 2428, 2342, 1978, 3616, 4006, 4043, 4196, 4141, 3689, 3754, 3797, 4040, 4048, 2609, 2765, 3135, 2243, 2817, 3200, 3277, 2435, 2367, 2247, 2525, 3187, 3026, 2269, 2940, 2971, 2874, 4053, 2846, 2976, 3996, 4071, 3014, 2390, 3148, 3742, 4086, 2718, 2952, 3236, 2398, 2503, 2590, 3284, 4136]. **B-G** [2846]. **B.A.** [232]. **Baaquie** [3527, 2521]. **Babaev** [3460]. **Babiker** [3087]. **Babinsky** [2974]. **Babu** [3183]. **Babylonian** [1766]. **Bachelor** [4265]. **Bachmann** [3663]. **back** [1844, 3311]. **Back-of-the-envelope** [3311]. **Backer** [4224]. **background** [3520, 2661, 1628, 298, 2886, 3120, 1811, 3907, 706, 2292, 4157]. **backward** [1674]. **Bacon** [3614]. **bacterial** [2304, 1622, 1782]. **Bada** [2387]. **Badash** [1092]. **Badawi** [3457]. **Bagarello** [4093]. **Bagchi** [3750]. **baggage** [2090]. **Baggott** [4137, 2329, 3763, 2694, 2986]. **Bailer** [3755]. **Bailer-Jones** [3755]. **Bailin** [3681]. **Baillon** [3480]. **Bailyn** [3383]. **Baines** [4042]. **Bajnok** [3591]. **Bajorski** [2888]. **Balachandran** [4071]. **Balakumar** [4071]. **balance** [1924, 1987]. **Balasis** [3787]. **Balázs** [3031]. **Ball** [2289, 3253]. **Ballet** [3100]. **Ballistics** [2843]. **Bandarenka** [4257]. **bandgap** [1326]. **bands** [4247, 1575, 3451]. **Banerjee** [2817]. **Bang** [4123, 3442, 1904, 1708, 2435, 3106]. **bangs** [856]. **Banhart** [2395]. **Banks** [2893, 2346]. **Baojiu** [4108]. **Bar** [3458, 1356]. **Bar-llan** [3458]. **Barber** [2389]. **Barbuy** [2467]. **Barenghi** [3716]. **Barford** [3116]. **Barger** [3032]. **Barica** [4242]. **barium** [782]. **Barkataki** [4267]. **Barnes** [3695, 2709, 2631]. **Barnett** [2455]. **Barnsley** [3497]. **Baron** [2765]. **Barr** [3613]. **Barrabès** [3191]. **Barrat** [2352]. **Barrett** [4145]. **barrier** [1118]. **barriers** [640]. **Barrow** [2312, 2456]. **Barry** [3430, 2520]. **Barthélemy** [2352, 3707]. **baryogenesis** [1818]. **Basa** [2929]. **Based** [3265, 844, 2892, 604, 1276, 4081, 176, 3160, 2381, 4227, 2700, 3782, 3207, 3033]. **bases** [810]. **Basic** [3395, 2490, 3446, 2487, 2780, 364, 3953, 3520, 3480, 3895, 237, 245, 1529, 4122, 2454, 2897, 3072, 3240, 3675, 2769]. **Basics** [2927, 2717, 2420, 3494, 3581, 2510]. **Basis**

[2427, 2409, 3365, 179, 360, 370, 3359, 3525]. **Bass** [1069, 2931]. **Bassi** [4154]. **Basu** [4007, 3141]. **Batanouny** [2432, 4166]. **Bates** [899]. **Batterman** [3091]. **Battisti** [2741]. **Baturin** [3276]. **Baulieu** [3736]. **Baumann** [3583]. **Baumberg** [3788]. **Baumer** [2627]. **Baumgarte** [2649]. **Baumjohann** [3072]. **Bayes** [2959, 2215]. **Bayesian** [3755, 2354, 2215, 3444, 2623]. **Bayin** [3995]. **Be** [2057, 1409, 4296, 2411, 3839, 4359, 2980, 3525, 530, 4145]. **Beale** [2676]. **Beam** [2465, 2146, 1177, 816, 1475, 1503, 924, 768, 1063, 1959, 3350]. **Beams** [3059, 1137, 1340, 761, 2, 1112, 1972, 524, 2121, 926, 2570, 1323, 1277, 3988]. **beams-origins** [1340]. **bearings** [614]. **beat** [1693]. **Beating** [2405]. **Beatriz** [2467]. **Beautiful** [2679]. **Beauty** [2279, 1975, 2103, 3462, 1753, 4336, 2894, 3254]. **became** [2127]. **Bécherrawy** [2900]. **Beck** [2992]. **Beckers** [2976]. **Beethoven** [2206]. **beginners** [2386, 2337, 3961, 1708, 1618, 1814, 4055]. **beginning** [3909, 2293, 2810, 4274, 2355, 2594, 2045, 2442, 2401]. **Behaviour** [2433, 1145, 887, 424, 3242]. **Behind** [3128, 4286, 3197]. **Behnia** [3580]. **Bei-Lok** [4141]. **Bekenstein** [2912]. **Belair** [3196]. **Belal** [3527, 2521]. **Belavin** [3079]. **Believing** [3968]. **Belkic** [2975, 2975]. **Bell** [3730, 2160]. **Bellac** [3287]. **Bellet** [2794]. **Bellini** [3207]. **Bellos** [2496]. **Bells** [4300, 3448]. **Bely** [2610]. **Ben** [4211, 2760, 3645, 3654, 2619]. **Ben-Naim** [3645, 3654, 2619]. **Bénard** [1234]. **beneath** [808]. **benefits** [3252, 2063]. **Benign** [4352]. **Benini** [2741]. **Benjamin** [3374, 2536]. **Benkadda** [3688]. **Bennemann** [3187]. **Bennett** [4275]. **Benson** [2421, 3100, 2946]. **Beowulf** [2062]. **Berezinskii** [3313]. **Berger** [3508]. **Bergman** [4120]. **Berkeley** [3492]. **Berkowitz** [584]. **Berkshire** [2952]. **Berlin** [4059]. **Berman** [2678]. **Bernard** [2459, 875, 3596, 3149, 3604]. **Bernath** [3631]. **Bernevig** [3277]. **Bernhard** [4197]. **Bernstein** [3448]. **Berry** [3903]. **Bersuker** [2428]. **Bert** [3036]. **Berthier** [3002, 2915]. **Berthold** [3398]. **Berthold-Georg** [3398]. **Bertin** [3377]. **Bertolotti** [3475]. **Bertone** [3197, 2630]. **Bertrand** [2884]. **Bessel** [2121]. **Beta** [1149, 2606, 1155, 2115]. **beta-decay** [1155]. **Beth** [2639, 2720]. **Bethe** [3346]. **Bettini** [3317]. **Between** [3213, 4342, 410, 667, 3875, 126, 407, 640, 3930, 2133, 2765, 2343, 204, 210, 623, 637, 3310, 735, 3654, 4104]. **Bevan** [3188]. **Beverly** [3508]. **Beyond** [3573, 3033, 3967, 4208, 3644, 4177, 3783, 2322, 2592, 2720, 2804, 2554, 3676, 2744, 3102, 2767, 2872, 2854, 2631, 2822, 3558, 4058, 3794, 2970]. **Bhatt** [2850]. **Bialek** [3080]. **Bianisotropy** [2546]. **Biedenharn** [2374]. **Big** [4123, 3442, 2435, 3283, 3106, 4221, 1708]. **Bigi** [2586]. **Bigio** [3565]. **Bikas** [3539]. **Bilal** [4254]. **bilayers** [1309]. **Bilgili** [3656]. **Bill** [2506]. **billion** [4340, 3876]. **Binêtruy** [4064]. **Binaries** [3067]. **binary** [1559, 3970, 59, 1512, 3075]. **Bing** [4107]. **Binney** [3260]. **Binoculars** [2439]. **Binoth** [3054]. **Bio** [2945, 2771, 647, 3584, 2945, 2771]. **Bio-Applications** [2771]. **bio-engineering** [647]. **Bio-Informatics** [2945, 2945]. **Bio-Interfaces** [2771]. **Biochemical** [2541]. **biochemistry** [3432]. **biochemists** [4097]. **Bioelectromagnetism** [4284]. **bioengineering** [3432].

Biographical [811]. **biographies** [2668]. **Biography** [2057, 4359, 2565, 2508, 2870, 3017, 4073, 3102, 2191, 2886, 2983, 4117, 3006, 3490, 3048, 3149, 2934, 2650]. **Bioinspired** [3496]. **Biological** [2396, 2837, 2760, 3629, 1841, 1240, 4090, 2734, 3331, 3678, 1871, 4093, 1220, 3929, 3940, 4034, 3951, 2853]. **Biology** [1582, 3058, 4217, 1796, 152, 2233, 3077, 3487, 3832, 3432, 746, 3640, 2173, 3937]. **biomagnetic** [3630]. **Biomagnetics** [3630]. **Biomedical** [4356, 2975, 3407, 2396, 3457, 2671, 4103, 3565, 3062, 3440]. **Biomedicine** [2880, 3795]. **Biomimetics** [3104]. **biomolecular** [3706]. **Bionanomaterials** [4240]. **Biophotonics** [3246, 3683, 2396, 3998]. **Biophysical** [2409]. **Biophysics** [2457, 2837, 3832, 3432, 2844, 3080, 3606]. **biosciences** [3392]. **Biosensor** [2673]. **Biosensors** [2673, 2991, 4290]. **Biosystems** [2844]. **Biot** [238, 133]. **Biotechnological** [3408]. **Biphoton** [2723]. **Bipin** [2490]. **Birds** [3551]. **birdsong** [3008]. **Birkbeck** [53]. **Biroli** [3002]. **Birth** [3004, 2562, 2982, 2934, 2175, 2201]. **Birthday** [3412, 648, 694, 3681, 3976]. **birthplace** [2404]. **Bisi** [3623]. **bistability** [1170]. **Biswas** [2379]. **Bits** [2421, 2946]. **Bjelkhagen** [3232]. **Black** [2078, 3383, 2597, 2562, 2716, 2916, 2914, 2651, 3191, 2934, 2013, 2479, 710, 2252, 3784, 3477, 3576, 2251, 1681, 3825, 1264, 4208, 3963, 1512, 4033, 2857, 3040, 3273, 3411]. **blackbody** [1850]. **Blackett** [3702]. **bladder** [4241]. **Blagojević** [3126]. **Blahut** [4060]. **Blandford** [4184, 4190, 4176]. **Blank** [2370]. **Blanter** [2402]. **Blasio** [4059]. **Bleaney** [3200, 3200, 3026]. **Bletchley** [2772, 4302]. **blind** [846]. **block** [3967]. **Blockbuster** [3841]. **Blocks** [2780, 3674]. **Blodgett** [1202]. **Bloom** [2688]. **Blow** [3403]. **blue** [1748]. **Blundell** [2511, 3345, 2511, 2413, 2990]. **Boal** [3005]. **Board** [2478, 2697, 3158, 3288, 3725, 2958, 3569]. **Bob** [3512]. **Bobin** [3578]. **Boca** [4217, 4284, 4296, 4259, 4269, 4270, 4294, 4094, 4258, 4267]. **Bock** [1069]. **Bodies** [1265, 2737, 666, 2603, 4054, 3705]. **Body** [3393, 3022, 2350, 3090, 4231, 3652, 3591, 1145, 3884, 3920, 3456, 3972, 2030, 3311, 165, 4166, 4339, 12, 2710, 3540]. **Boetttcher** [3094]. **Bogolubov** [2665]. **Bohm** [1685]. **Bohmian** [3047, 2979]. **Bohr** [2770, 4073, 3224, 3048, 4142, 2558, 1412, 1156]. **Boi** [2856]. **Boisvert** [2632]. **Bojowald** [4209, 2716]. **Bok** [2527, 2596]. **Bolin** [2367]. **Boltzmann** [3902, 3798, 368, 382]. **Bomb** [4298, 4299, 2329, 3226, 3524, 3102, 2018, 3938]. **Bona** [4293, 2776]. **bonanza** [776]. **Bond** [3375, 866]. **bonding** [901]. **Bonds** [3451, 2521, 1759]. **Bonifacio** [1140]. **Bonilla** [2711]. **Bonnie** [2839]. **Book** [3670, 3806, 3834, 3817, 3757, 3776, 3767, 3807, 3766, 3942, 4133, 4132, 3622, 3711, 3953, 4120, 4078, 4060, 4106, 3878, 4149, 3651, 3741, 3841, 4010, 4057, 3764, 3763, 45, 57, 67, 130, 149, 173, 181, 189, 199, 207, 215, 226, 233, 244, 257, 271, 280, 294, 301, 309, 318, 327, 336, 343, 351, 357, 367, 373, 383, 392, 400, 408, 418, 426, 433, 443, 449, 460, 467, 473, 480, 488, 489, 496, 497, 503, 512, 519, 533, 556, 562, 569, 575, 585, 591, 599, 612, 620, 627, 634, 641, 649, 656, 663]. **Book** [668, 676, 681, 688, 695, 702, 708, 715, 720, 726, 733, 741, 750, 766, 758, 773, 779,

786, 787, 794, 803, 804, 814, 821, 822, 828, 835, 841, 842, 849, 851, 858, 876, 882, 888, 897, 920, 930, 939, 948, 956, 966, 973, 995, 1003, 1016, 1024, 1031, 1043, 1051, 1060, 1071, 1077, 1086, 1094, 1102, 1109, 1115, 1125, 1134, 1141, 1147, 1158, 1167, 1173, 1184, 1195, 1200, 1208, 1216, 1222, 1230, 1238, 1245, 1252, 1260, 1266, 1274, 1280, 1286, 1287, 1293, 1299, 1306, 1312, 1319, 1329, 1337]. **Book** [1344, 1352, 1360, 1367, 1375, 1382, 1389, 1396, 1403, 1410, 1417, 1425, 1432, 1439, 1446, 1455, 1462, 1470, 1477, 1484, 1491, 1498, 1508, 1513, 1519, 1525, 1533, 1539, 1548, 1556, 1567, 1576, 1585, 1592, 1598, 1604, 1611, 1613, 1619, 1625, 1632, 1638, 1645, 1654, 1662, 1668, 1675, 1682, 1689, 1695, 1701, 1709, 1718, 1724, 1732, 1739, 1746, 1755, 1756, 1763, 1764, 1771, 1779, 1784, 1789, 1794, 1802, 1809, 1815, 1821, 1828, 1837, 1845, 1853, 1859, 1867, 1876, 1884, 1889, 1901, 1908, 1919, 1929, 1939, 1945, 1953, 1961, 1970]. **Book** [1976, 1985, 1990, 1996, 2004, 2011, 2020, 2028, 2036, 2042, 2051, 2052, 2058, 2065, 2066, 2072, 2084, 2092, 2100, 2106, 2112, 2119, 2125, 2130, 2135, 2140, 2145, 2150, 2158, 2168, 2172, 2178, 2182, 2187, 2192, 2197, 2203, 2207, 2210, 2214, 2218, 2222, 2226, 2232, 2237, 2274, 2280, 2284, 3618, 3986, 3988, 3790, 3868, 3805, 3774, 3946, 4016, 4062, 4110, 4211, 4137, 4225, 4286, 3885, 3896, 3560, 3574, 3721, 3583, 3719, 3541, 3559, 3830, 4082, 4241, 4217, 4284, 4275, 3796, 3974, 4202, 4232, 4268, 3785, 3927, 4135, 3698, 3699, 3700, 3750, 3828]. **Book** [3918, 3696, 3619, 3901, 3772, 3912, 4140, 4139, 4254, 4038, 4000, 3934, 3539, 3580, 3625, 3710, 3635, 3835, 3899, 3898, 3872, 3873, 3944, 3984, 4032, 4009, 4056, 4055, 4210, 4273, 4271, 4296, 4206, 3656, 3716, 3644, 3840, 3943, 4035, 4231, 4293, 3677, 3695, 3723, 3579, 3609, 3692, 3800, 3875, 3791, 3748, 3759, 3848, 3855, 3881, 4005, 3945, 4045, 3913, 3935, 3914, 4018, 3938, 3955, 4028, 4073, 4123, 4069, 4154, 4182, 4177, 4134, 4184, 4191, 4221, 3646, 3839, 3877, 4027, 4100, 4113, 3715, 3663, 3869, 4118, 3599, 3585, 3900, 3738, 3947, 3919, 4061, 3554, 3544, 3657]. **Book** [3658, 3659, 3744, 3747, 3538, 4143, 4209, 3628, 3629, 3706, 3889, 3961, 4183, 4240, 4272, 3530, 3652, 3591, 3648, 3844, 3758, 3931, 4030, 4084, 4155, 4248, 3647, 4251, 112, 326, 3620, 4291, 4285, 4138, 4173, 3650, 3637, 3858, 3845, 3859, 3784, 3856, 3987, 3989, 3958, 454, 3626, 3679, 3883, 3762, 3793, 3739, 3983, 3930, 4026, 4072, 4052, 4178, 4190, 4148, 4198, 4163, 4252, 3561, 3557, 3617, 3616, 3895, 3808, 3894, 3753, 3755, 3809, 3960, 4006, 4021, 3962, 4081, 4156, 4204, 4130, 4203, 4162, 4235, 4222, 4257, 4259, 4269, 4281, 4270, 4295, 4274, 3771, 3884, 4025]. **Book** [3948, 4002, 3915, 3925, 4001, 4046, 4043, 3975, 4041, 3920, 3954, 3999, 4029, 4044, 4008, 4024, 4085, 4108, 4068, 4119, 4098, 4196, 4141, 4242, 4250, 3552, 3553, 3564, 3705, 3630, 3669, 3668, 3588, 3709, 3576, 3671, 3708, 3577, 3627, 3631, 3865, 3816, 3754, 3886, 3861, 3854, 3891, 3860, 3804, 3801, 3797, 3752, 3769, 3773, 3751, 3787, 4031, 4037, 4047, 3993, 4040, 3994, 4048, 3957, 4042, 3936, 4003, 4090, 4091, 4105, 4146, 4187, 4283, 4294, 3661, 3551, 3135, 3660, 3623, 3998, 4165, 3540, 3810, 3980, 3592, 547, 3563, 3794, 3921, 4097, 4107, 4157, 4292, 3825, 4150, 4186, 3578, 3587, 3608]. **Book** [3678, 3597, 3832, 4007, 4017, 3982, 3525, 3717, 3614, 3632, 3862, 4112, 4114, 4115, 4117, 4159, 4161, 4158, 4160, 3720, 3768, 3770, 3843, 3952, 3562, 3531, 3653, 3691, 3589, 3874,

3882, 3789, 3740, 3950, 4099, 4093, 4200, 4151, 4205, 4224, 3819, 3978, 3533, 3532, 3697, 3849, 3926, 3527, 3712, 3756, 3973, 4164, 3316, 3665, 3749, 3846, 3905, 4019, 4282, 4121, 4131, 3718, 3666, 3703, 3842, 4122, 4197, 4201, 4223, 4244, 4218, 4249, 3558, 3584, 3582, 3607, 3634, 3649, 3682, 3683, 3735, 3736, 3833, 3734, 3879, 3880, 3795, 3827, 3836, 3922, 3959, 3917, 4020, 4022, 4036]. **Book** [3949, 4054, 4083, 4053, 4080, 4079, 4169, 4170, 4189, 4234, 3604, 3636, 3923, 4144, 3893, 3811, 3863, 3932, 3724, 3613, 3704, 3526, 3690, 3476, 3543, 3645, 3693, 3681, 3864, 3831, 3777, 3803, 3996, 3995, 3929, 3933, 4071, 4129, 4255, 4208, 4188, 4219, 4276, 4070, 4066, 4077, 4166, 4167, 3654, 3760, 4199, 4260, 4297, 4095, 4096, 4094, 4253, 4265, 4266, 3537, 3566, 3536, 3565, 3567, 3534, 3575, 3595, 3610, 3612, 3674, 3673, 3596, 3611, 3672, 3903, 3814, 3887, 3904, 3742, 3745, 3888, 3902, 3813, 3890, 3743, 3812, 3939, 3941, 3940, 4065, 4064, 4063, 4220, 3555, 3528, 3529, 3702]. **Book** [3701, 3871, 3838, 3870, 3837, 3979, 4086, 4092, 4142, 4147, 4171, 4174, 3786, 3788, 4216, 527, 3928, 540, 4290, 3977, 3937, 4034, 3976, 3713, 3733, 3815, 4059, 3985, 4109, 3605, 3542, 3568, 3535, 3556, 3598, 3621, 3606, 3675, 3624, 3667, 3615, 3722, 3581, 3684, 3707, 3586, 3662, 3798, 3818, 3847, 3867, 3857, 3829, 3737, 3775, 3792, 3876, 3802, 3850, 3892, 3897, 3765, 4004, 4039, 3956, 4033, 3924, 3997, 4023, 3981, 3916, 4058, 4116, 4067, 4172, 4136, 4207, 4176, 4215, 4233, 3676, 4145, 4175, 4258, 3519, 3685, 3655, 3688, 3761, 4111, 4185, 4168, 3594, 3590, 3593, 3633, 3680, 3694, 3714, 3746, 3866]. **Book** [3799, 3951, 4243, 4256, 4267, 2921, 3157, 3395, 3333, 2926, 2756, 3079, 3180, 2819, 3301, 3051, 3203, 2858, 2795, 2490, 2912, 3091, 3010, 3229, 3171, 3320, 3425, 3137, 2853, 3370, 2755, 3257, 2541, 3047, 3181, 3280, 2542, 3323, 3126, 3321, 3317, 3309, 2886, 2746, 3046, 3143, 3233, 3024, 2771, 2844, 3050, 3392, 3303, 3273, 3277, 3210, 3345, 2623, 3340, 3423, 3457, 3487, 2682, 2923, 2517, 2685, 2743, 2739, 2803, 2946, 3145, 3031, 3307, 3231, 3234, 3243, 2839, 2972, 3248, 3282, 3272, 2449, 3033, 3012, 2624, 3062, 2725, 3337, 3461, 3255, 2468, 3286, 3236, 3278, 2799, 3087, 2666]. **book** [3178, 3082, 3129, 3041, 3215, 3242, 3170, 3260, 2598, 2922, 4123]. **Booklet** [554]. **Books** [461, 474, 481, 504, 513, 520, 528, 534, 541, 548, 563, 576, 586, 592, 598, 606, 613, 621, 628, 635, 642, 650, 655, 661, 669, 674, 682, 689, 696, 703, 709, 714, 721, 727, 734, 742, 751, 757, 767, 774, 780, 795, 813, 829, 836, 852, 859, 870, 877, 883, 889, 898, 904, 905, 910, 921, 931, 940, 958, 967, 975, 985, 987, 997, 1005, 1033, 1044, 1052, 1062, 1072, 1078, 1088, 1095, 1103, 1110, 1116, 1126, 1135, 1142, 1148, 1159, 1168, 1174, 1185, 1196, 1201, 1209, 1223]. **Books** [1231, 1239, 1246, 1253, 1261, 1267, 1275, 1281, 1294, 1300, 1307, 1313, 1322, 1331, 1338, 1346, 1354, 1362, 1369, 1377, 1384, 1390, 1398, 1404, 1411, 1418, 1426, 1433, 1440, 1448, 1456, 1463, 1471, 1478, 1485, 1493, 1500, 1509, 1514, 1520, 1526, 1534, 1540, 1549, 1557, 1568, 1577, 1586, 1593, 1599, 1605, 1620, 1626, 1633, 1639, 1646, 1655, 1663, 1669, 1676, 1683, 1690, 1696, 1702, 1710, 1719, 1725, 1733, 1740, 1747, 1772, 1780, 1785, 1790, 1795, 1803, 1810, 1816, 1822, 1829, 1838, 1846, 1854, 1861, 1869, 1878, 1891, 1895]. **Books** [1900, 1910, 1920, 1931, 1941, 1946, 1954, 1963, 1971, 1977, 1991, 1997, 2029,

2074, 2075, 2037, 2043, 2073, 2151, 2152, 947, 957, 974, 986, 1018, 1025, 996, 1004, 1017, 1032, 1061, 1087, 4186]. **booster** [71]. **Booth** [3203]. **Borchers** [4053]. **Boris** [3114, 3460, 3610]. **Born** [4092, 965]. **Bosanac** [3744]. **Bosco** [2884]. **Bose** [2704, 2573, 1720, 2277, 4228, 2436, 2580]. **Bose-Condensed** [2580]. **Boson** [3403, 3731, 2810, 3390, 3465, 3225, 3128]. **bosons** [2183, 1301]. **Bot** [3715]. **both** [1388]. **Botta** [2387]. **Böttcher** [4185]. **bottom** [2733]. **Bouchaud** [3002]. **Boucher** [2372]. **Boulevard** [2349]. **bound** [722, 1831]. **Boundary** [2974]. **bouquet** [3918]. **Bowen** [3567]. **Bowl** [2637]. **Bowler** [3127]. **Box** [3713, 2641, 3713]. **boy** [2002]. **Boyarkin** [2744, 2744]. **Boyd** [2310]. **Bozhevolnyi** [2879]. **Braat** [4020]. **Brading** [2535]. **Bradt** [3435, 2442]. **Bragg** [605]. **Brain** [2470, 4241, 3009]. **brain-bladder** [4241]. **Braithwaite** [2920]. **Brakke** [2915]. **branched** [1430]. **Brane** [2786]. **branes** [1830]. **brass** [1887]. **Brázdová** [3127]. **breakdown** [2137, 3646]. **breakers** [1693]. **Breakfasts** [2639]. **Breaking** [4302, 2183, 3354]. **Brendon** [2636]. **Breslin** [2411, 2933]. **Brézin** [2587]. **Brian** [3257, 4156, 3438, 3405]. **Bridges** [3699, 2675, 3853, 3812]. **Brief** [2989, 2057, 4359, 2951, 1423, 1242, 4180, 3985, 4153]. **briefest** [3654]. **Briggs** [2772]. **Bright** [3135, 2289]. **Brillouin** [603]. **Bringing** [3600, 3416]. **Brink** [4098, 2330, 3337]. **Bristol** [4241, 4202, 4232, 4140, 4139, 4221, 4251, 4222, 4281, 4161, 4201, 4244, 4169, 4170, 4234, 4144, 4188, 4260, 4253, 4142, 4147, 4174, 4290, 4136, 4207, 4233]. **Britain** [808]. **British** [213, 41, 75, 147, 169]. **Brittle** [587]. **Brizard** [3644, 2418]. **Broadening** [2807]. **Brochard** [2527, 2596]. **Brochard-Wyart** [2527, 2596]. **Brock** [2751]. **Broglia** [2330]. **Broida** [1092]. **Broken** [1569, 2349]. **bromide** [432]. **Bronnikov** [3040]. **Brosch** [2438]. **Brotherton** [3232]. **Brotherton-Ratcliffe** [3232]. **Brown** [1798, 4058]. **Brownian** [3186, 1796, 2088, 2131, 3584]. **Bruce** [2847, 2796, 4142, 4171]. **Brumer** [3065]. **Bruning** [3618, 3594]. **Bruno** [3678, 3213, 3503, 3056, 2453]. **Brunton** [4019]. **Bruß** [2297]. **Brussels** [869]. **Bruza** [3589]. **Bruzual** [2626]. **Bryan** [4286, 2663, 2507]. **Bryant** [3275]. **Bryson** [2506]. **Bubble** [633]. **bubbles** [812, 845, 1717]. **Buchwald** [3748, 3312]. **Budapest** [3724]. **Budhu** [3786]. **Budker** [3492]. **bugbears** [3929]. **Buhmann** [2427]. **Build** [3239]. **builders** [2474]. **Building** [3853, 2780, 168, 349, 3776, 264, 3674, 2463, 3524]. **Buildings** [2675]. **built** [2384]. **Buldyreva** [2807]. **Bulges** [2467]. **Bulk** [1466, 1472, 531, 4193]. **Bundle** [3840]. **Bunker** [2680]. **Burbidge** [2343]. **Burbine** [3705]. **Bureau** [555, 2467]. **Burguete** [3664]. **Burke** [4040]. **burning** [4125]. **Bursts** [2688, 2070, 2813, 3039, 3057, 2929, 4107]. **Burt** [3035]. **Burton** [3113, 56]. **Busch** [3710]. **Buscher** [3697]. **Buschow** [2830]. **Busemeyer** [3589]. **Business** [2657, 4057, 56]. **Butikov** [3476]. **Butt** [4295]. **Buttar** [3054]. **Buzug** [2465]. **Byrne** [2508]. **Byron** [4148].

C [4060, 3025, 2433, 2463, 2756, 2374, 2486, 2593, 2949, 2966, 3716, 2356, 3056, 3412, 2347, 3738, 2057, 2255, 2301, 2561, 4026, 4072, 2191, 3808, 3755,

4269, 4270, 2567, 3054, 3323, 4024, 3057, 2993, 3437, 3708, 3627, 4048, 2300, 2430, 2623, 3100, 2379, 2461, 2525, 3263, 3823, 3525, 2692, 2881, 2773, 3770, 2803, 2839, 2651, 3735, 4053, 2436, 2380, 2846, 2440, 2419, 2315, 3536, 3674, 2532, 3555, 3528, 2501, 3286, 2947, 3236, 2298, 4109, 2454, 2453, 2507, 2663, 2721, 3153, 3684, 3775, 3688]. **C.** [1461]. **C.H** [648]. **Cacialli** [2795]. **cackled** [2772]. **Cademartiri** [2529]. **cages** [3467]. **Cahill** [4077, 3170]. **Cai** [2791, 3118]. **Cairo** [3063]. **Calculation** [2566]. **Calculations** [2670, 3439, 4278, 4318]. **calculators** [807, 862]. **Calculus** [2754, 3256, 3347, 3485, 3922]. **Caldeira** [3303]. **Calder** [865]. **Caldwell** [3668]. **Callaghan** [3373]. **Calle** [2509, 2493]. **Called** [2403]. **Calogero** [3339]. **calorimetry** [227, 3818]. **Calvin** [4258]. **Cambridge** [4078, 4060, 4211, 4286, 662, 4135, 4032, 4009, 4210, 4035, 3425, 4005, 4045, 4182, 4177, 4061, 4143, 4084, 4248, 112, 4026, 4072, 4052, 4006, 4021, 4081, 4130, 4002, 4001, 4046, 4141, 4037, 4040, 3994, 4048, 4042, 4003, 4015, 4105, 4146, 4165, 3421, 4107, 4157, 2505, 3653, 4093, 1569, 4019, 2295, 4122, 4197, 3066, 4020, 4036, 4054, 4053, 4079, 4071, 4129, 4219, 4066, 4077, 4166, 4065, 4063, 4092, 4034, 3129, 4039, 4058, 4215, 4185, 4168, 255, 1045, 1053, 177, 1343, 2372]. **Cameron** [4142, 4171, 2839]. **Camley** [4009]. **Campanelli** [4161]. **Campbell** [3343, 4058]. **Campbell-Brown** [4058]. **Can** [1506, 4308, 1128, 2549, 3690, 530, 3839]. **Canadell** [2966]. **Cancer** [2991, 3432, 3603, 3990, 3596]. **Canio** [4147]. **Canonical** [2716]. **Canseliet** [3434]. **Cantilevers** [3331]. **Cantor** [4156]. **capacity** [1049]. **Cape** [3102]. **capillarity** [3573]. **Cappelli** [3004]. **Capri** [2827]. **capture** [977]. **Car** [2809]. **Carballido** [3678]. **Carballido-Landeira** [3678]. **Carbon** [3051, 2902, 2332, 3033, 3898, 3544, 1020, 2838, 3889]. **Cardiff** [75]. **cardiovascular** [1849]. **Cardona** [3189, 2792]. **career** [2921, 4120, 4078, 4060, 4106, 2686, 2883, 3157, 3395, 3052, 3350, 2989, 3061, 3098, 3201, 2667, 4241, 4275, 3022, 3180, 3506, 2819, 2648, 2911, 2840, 3107, 2593, 3298, 3365, 2830, 2715, 3124, 2544, 3376, 4231, 2795, 2955, 2865, 3116, 4154, 3349, 3137, 4113, 2866, 3038, 3095, 3035, 3247, 4118, 3296, 2939, 2836, 2853, 2785, 2988, 3194, 3179, 3353, 3408, 3499, 4240, 4272, 2617, 2775, 3207, 3370, 2621, 2907, 3168, 3245, 2791, 2841, 2999, 4072, 4052, 4178, 4190, 4198, 2965, 3279, 3501, 4235, 4257, 2693, 2660, 2800, 2954, 3054, 3407, 2887, 3126, 3205, 4085, 4108, 4068, 4119, 4196, 3184]. **career** [3007, 3081, 3074, 3099, 4187, 4294, 2538, 2820, 3046, 3431, 3143, 3233, 3366, 2670, 2771, 3050, 4165, 3303, 3398, 3492, 2716, 3128, 3274, 3382, 3080, 3005, 4157, 3230, 3210, 3446, 4186, 2539, 3340, 3423, 2526, 3026, 3003, 3424, 3189, 3511, 2680, 3015, 3162, 3447, 2929, 3367, 3232, 3307, 3449, 3065, 2622, 3430, 2839, 3272, 4121, 2784, 2712, 3127, 3033, 3012, 4122, 2815, 3094, 2780, 2624, 2835, 2874, 2924, 2837, 2834, 2760, 2750, 2880, 3062, 3119, 3409, 4054, 4083, 4189, 3347, 2546, 3414, 3476, 3489, 4255, 4219, 4276, 4166, 4167, 2759, 3138, 3014, 3346, 2725, 2557, 4199]. **career** [4297, 2896, 3228, 3461, 4253, 4265, 4266, 3148, 3146, 3141, 3404, 3391, 3410, 3440, 3482, 3441, 3481, 3483, 3439, 3504, 3503, 4063, 4220, 4174, 2758, 3191,

3185, 3278, 3508, 2799, 2807, 2826, 2654, 2665, 2666, 2832, 3306, 3495, 4058, 4215, 3397, 4185, 4168, 2920, 2882, 2967, 2919, 2586, 2769]. **cares** [3731]. **Carl** [2502, 2859, 1968]. **Carlile** [3236]. **Carlo** [3927, 4182, 3557, 4146, 2860]. **Carlos** [2509, 4119, 2493]. **Carlson** [3149]. **Carol** [3023]. **Carr** [2819, 2459]. **Carreira** [3300]. **carried** [1560]. **Carroll** [4036]. **carrying** [126, 407]. **Carsten** [2965]. **Cartesian** [3399]. **Cartier** [2301]. **Cartography** [3044, 4091]. **Cartoon** [4258]. **Cascade** [3146]. **Case** [4113, 4310, 2333, 2512, 999, 1008, 3459]. **Casimir** [1040, 2164, 1579]. **Casoli** [2476]. **Casquilho** [3507]. **Cassidy** [2906]. **Castañeda** [3014]. **Castellani** [3004, 2535]. **Castiglione** [2351]. **Castro** [3557]. **Cat** [3056, 2261, 3727, 1235, 2262, 3600]. **Cataclysmic** [2180]. **Catalin** [3500]. **catalysed** [1479]. **Catling** [3263]. **Causal** [2153]. **causality** [3220, 2208, 3684, 2545]. **Causation** [4308, 3690]. **Cause** [3354, 3247]. **caused** [1703]. **Causes** [2721]. **Cautionary** [2548]. **cave** [2026]. **Cavendish** [380, 3612, 211, 1045, 1053, 765, 177]. **Cavity** [4212, 2381, 1606]. **Cavity-based** [2381]. **Cavity-QED** [4212]. **Cayman** [4150]. **CDM** [3222]. **Cecchi** [3648]. **Cecotti** [3511]. **Celebrating** [2599]. **celebration** [3131]. **celebrations** [64]. **Celestial** [3044, 3000, 2832, 3685]. **cell** [1363, 3005]. **cells** [891, 4252, 35, 514, 2259, 1199, 2260, 2891, 2834, 3028]. **cellular** [4179]. **Cencini** [4208]. **census** [3781]. **centenary** [3131, 946, 2934]. **centennial** [3508]. **Centre** [3102, 4329, 800, 275]. **centred** [2117]. **centric** [3160]. **Century** [3349, 3168, 3369, 3121, 2682, 3468, 1137, 3828, 3945, 23, 2548, 1902, 4186, 235, 4200, 1097, 2258, 1464, 2887, 2460, 2449, 3618, 2257, 3753, 4042, 4234, 3909, 3989]. **Cepa** [2779, 2779]. **Cepa-Nogué** [2779, 2779]. **Cepheid** [2732]. **ceramic** [505, 2405, 3319]. **Cerenkov** [134]. **CERN** [680, 1495, 3389, 3731]. **Certain** [3414, 1705]. **Cetto** [1844]. **Ceulemans** [3758]. **CFT** [3592, 2893]. **CH** [4154, 4191]. **Chabert** [2920]. **Chadwick** [648, 749]. **Chaichian** [3240]. **chain** [2184]. **chains** [1879]. **Chakrabarti** [3539]. **Challenge** [2917, 961, 1812, 4192, 3194]. **Challenges** [3267, 3989, 2294, 1538, 3618]. **Cham** [4110, 4154, 4191, 4118, 4155, 4031, 4047, 4115, 4160, 4145]. **Chamber** [633, 192]. **chambers** [230]. **Champagne** [3196]. **Chance** [2957]. **Chandra** [3423]. **Chandrasekhar** [2934, 2251, 1264]. **Chandre** [3167]. **Chang** [3412, 2866, 2787, 3011, 3412, 2567, 3046, 3720, 3030, 3693, 3536]. **change** [3333, 4103, 2204, 653, 165, 2367]. **changes** [1703, 290, 3372]. **channel** [4231]. **channelling** [478]. **channels** [1841, 3823]. **Chao** [3371, 3208, 3484]. **Chaos** [1618, 1664, 1546, 3471, 3638, 1391, 2016, 3235, 2416, 3996, 2351, 2972, 4004]. **chaotic** [2060, 3749]. **Chaparro** [4170]. **Chaparro-Romo** [4170]. **Chapelle** [3408]. **Chaplin** [4007]. **Chaplot** [2712]. **Chapters** [3143]. **characterisation** [3686, 3070, 3809]. **characterising** [4189]. **Characteristics** [2776, 4293]. **Characterization** [2614, 4203, 4180, 3015]. **Charap** [2848]. **Charbonneau** [3803]. **Charge** [1458, 1283, 2711, 1080, 637, 61, 402, 439]. **Charge-density** [1283]. **Charged** [552, 2388, 2569, 2480, 1542, 1948]. **charging** [303]. **Charles** [4149, 4296, 3383, 1092, 2597, 2632, 785]. **Charlier** [4081, 3265].

Charlot [2626]. **Charlotte** [3434]. **Chaudhuri** [2750]. **Chaumont** [3138]. **Chazelas** [3434]. **Checkerboards** [3214]. **Chekhova** [2746]. **Chelikowsky** [4022]. **Chemical** [2433, 2853, 1112, 2806, 3407, 108, 242, 834, 3629, 3993, 4090, 3432, 4189, 2060]. **chemist** [1649]. **Chemistry** [3309, 3238, 2319, 249, 1580, 4118, 3889, 223, 1163, 4295, 1171, 3432, 685, 3937, 1659, 3310, 4116, 3930]. **chemists** [3974, 4097, 2487]. **Chen** [2836, 3629, 4250, 2355, 3629]. **Cheng** [3499, 3071]. **Cheng-Chung** [3499]. **Chennupatti** [2775]. **cheque** [1984]. **Chern** [3948]. **Cherry** [3457]. **Chervon** [4044]. **Chiang** [3299]. **Chiang/translated** [3299]. **Chiao** [3522]. **Chiara** [4242]. **Chicago** [2191]. **Chichester** [4272]. **Chien** [3299]. **Chien-Shiung** [3299]. **Childs** [2941]. **China** [4360, 187, 3441]. **Chiou** [3246]. **chiral** [4164, 4226]. **Chirality** [2503]. **Chityala** [3351]. **Cho** [2555]. **Chorus** [4300, 3448]. **Chou** [3371]. **Choudhuri** [2594, 3777]. **Choudhury** [2712]. **Chris** [4079, 3605]. **Christensen** [4015, 3384, 3001]. **Christian** [4241, 3320, 3659, 3708, 3660, 3340, 3490, 3482, 3217]. **Christmas** [253, 186]. **Christof** [4034]. **Christophe** [4081, 3265, 4004]. **Christopher** [2883, 2463, 3491, 3056, 3494, 3323, 3564, 3210, 2691, 2468, 1251]. **Chromey** [3643]. **chromism** [1370]. **Chromodynamics** [2609, 2822, 1066, 3825, 1394]. **Chu** [3066]. **Chua** [2932]. **Chuan** [3659]. **Chuang** [3649, 2656]. **Chuck** [2809]. **Chumakov** [2398]. **Chun** [3109]. **Chung** [3499]. **Churchill** [15, 3226]. **Cimatti** [4146]. **Cinette** [313]. **Cipelletti** [3002]. **Circuits** [3198, 2604, 3024, 2879]. **Circumstellar** [3309]. **cities** [3707]. **civil** [358, 397, 101]. **Civilisation** [2789]. **Clarendon** [1459]. **Clark** [3054, 2632]. **class** [211, 397, 2603]. **Classic** [3026]. **Classical** [2686, 2781, 1265, 4184, 4190, 3366, 3398, 1807, 2807, 511, 3470, 3750, 3971, 3944, 2320, 3585, 3386, 2127, 3895, 4187, 3419, 3331, 3906, 3417, 3736, 3864, 4129, 3887, 1262, 1892, 4176, 2048, 2648, 4035, 2999, 4002, 2726, 2692, 4161, 2391, 111, 2705, 2978, 2952]. **Classification** [2468]. **Claude** [2921, 2686, 3772, 2954, 3191]. **Claudia** [3611]. **Claudio** [3120, 4115]. **Claus** [2939, 2288]. **clay** [1766]. **Clays** [2614]. **Clean** [138]. **cleaning** [2090]. **Clear** [3730, 994]. **clearing** [16]. **clearly** [1806]. **Clegg** [3405]. **Clerk** [3281]. **Clifford** [3840]. **Clifton** [3757]. **Climate** [2282, 2367, 3333, 2204, 1325, 1595, 1703, 1987, 2890, 3713, 4039]. **Climates** [2993]. **Climatic** [906]. **Clinical** [2842, 2876]. **cloaking** [3130]. **clocks** [38, 2327, 4074, 3966, 2060]. **Close** [2366, 4025, 2764, 2392, 2612, 3128, 2877, 2426]. **Closures** [3376]. **Cloud** [2663, 192, 1117, 1355]. **Cloude** [2584]. **Clouds** [2916, 3860, 3993, 1987, 3495]. **clue** [59]. **Clustering** [1879, 1465, 2024]. **Clusters** [1487, 4303, 2749, 500, 2780, 1641, 1070, 1791, 1036, 1649, 4022]. **CMS** [2647]. **Co** [4106, 4268, 1249, 4022, 740, 3794]. **co-existence** [3794]. **Co-operative** [1249, 740]. **Coarse** [2351]. **Coastal** [2484, 3656]. **COBE** [1628, 1652]. **Cockcroft** [1221]. **Code** [4302, 2562, 2228, 1693]. **Code-Breaking** [4302]. **Codebreaking** [2772]. **Codes** [209]. **coding** [3504]. **Coevolution** [2651]. **coexist** [1128]. **Coey** [4046, 2494]. **cognition** [3589]. **Cohen** [2921, 3718]. **Cohen-Tannoudji** [2921]. **Coherence** [2309].

coherences [3386]. **Coherent** [2198, 2797, 3601, 2869, 4138]. **coherently** [2179]. **Cohomology** [2444]. **Coiffier** [2956]. **coil** [126, 407]. **Cold** [3161, 2131, 4118, 1651, 2287, 4119, 4049, 2231, 1039, 4102]. **Cole** [3234, 2637]. **Coleman** [3911]. **Coles** [4015]. **Coletta** [4031]. **Colin** [3270, 4260]. **collaboration** [2050, 2064, 4, 719, 4161]. **collapse** [1415, 998]. **collapsing** [3477]. **Collected** [3079, 291, 380, 3432, 4354]. **Collection** [3114, 2350, 4154, 4221, 3448, 4270, 4187, 3432, 4224, 4172]. **collective** [1956, 3944]. **College** [54, 96, 53, 180, 221, 52, 106, 15]. **colleges** [79]. **Collider** [3403, 2542, 3731, 3594, 2012, 4138, 1064, 1495, 2183, 3465, 2471]. **Colliders** [2662, 2322]. **colliding** [1112]. **Collier** [3198]. **collinear** [4278]. **Collins** [2831]. **collision** [578, 711, 1677]. **Collisional** [2807]. **collisions** [1458, 1452, 623, 637, 653, 704, 1069, 623, 637, 653, 4168]. **Colloidal** [1144, 678]. **Colloids** [3002, 2443]. **Colloquia** [2467, 2737]. **Colombo** [3033]. **Colomo** [3004]. **colonial** [1782, 2002]. **colonies** [1622, 1782]. **Colonna** [4026]. **Colosi** [3765]. **colossal** [2209]. **Colour** [1370, 1227, 908, 3232, 139, 163, 1641, 885, 601, 37, 2289, 3575, 3624]. **Colvin** [3242]. **Combinatorial** [2685, 2743, 2739]. **Combinatorics** [2793]. **Combined** [834]. **come** [2305, 578]. **comes** [1762, 1631]. **cometary** [1510, 1535, 1644]. **Comets** [1113, 1640, 2996, 2353, 3355]. **comings** [1132]. **Comment** [1359]. **Commentaries** [3126]. **commentary** [3473]. **Comments** [2099, 2781]. **commercialization** [4252]. **Commission** [869, 1019]. **commissioning** [1495, 1054]. **committee** [30, 74, 40, 177]. **Common** [3247, 2257, 1097, 2258, 1883, 3645]. **Commonly** [4269]. **Communicating** [1915]. **Communication** [288, 3806, 2184, 3504, 3664, 254, 2985]. **Communications** [3362, 2486, 337, 1188, 4060]. **Communist** [187]. **Communities** [869]. **Compact** [2441]. **compaction** [744]. **Companies** [2657]. **companion** [3988, 4316, 3528]. **Companions** [3427, 4333, 4334, 3668, 4114]. **company** [2057, 1343]. **Comparative** [1157]. **compendium** [2422]. **Compensated** [2340]. **Competitive** [4086]. **compilation** [701]. **Complementary** [2770]. **complete** [1297, 3679, 3870]. **completely** [1677]. **Complex** [2113, 2352, 2766, 2657, 2745, 3380, 1782, 3747, 2730, 3787, 1192, 4017, 2208, 3665, 4249, 3202, 2652, 3814, 3229]. **Complex-Valued** [2766]. **Complexity** [2124, 3354, 1871, 2972, 4276, 1975, 3803, 2840, 3693, 4175, 3229, 4099]. **Composite** [950, 1481]. **Composites** [2817]. **Composition** [2826, 2188, 3990]. **Compositional** [3157]. **compositions** [4114]. **Compound** [3013, 2932]. **compounds** [1333, 3889, 1166, 1292]. **Comprehensive** [3375, 2905, 3851, 3975, 2372, 2348]. **Compressible** [2841]. **compression** [1114, 3919]. **compressive** [3673]. **Compton** [881, 739]. **computable** [2033]. **Computation** [2757, 3438, 2985, 2592, 2400, 2656, 1934, 1872, 3975, 4323, 2499, 3950, 2528, 2371, 2499, 3785]. **Computational** [2777, 2794, 2616, 2432, 2997, 3741, 2061, 2749, 3883, 3950, 2487, 3582, 4120, 2749, 3118, 3181, 3297, 3717, 3140, 3271, 2332, 2943, 4185]. **Computed** [2465]. **Computer** [3023, 1730, 2625, 711, 3127, 1684, 2317, 1091, 4217, 942,

2062, 2517, 2653, 4282, 1704, 2649, 3239, 2457, 3033, 3842].
Computer-Based [3033]. **Computerized** [1775]. **computers**
[1750, 1365, 1371, 2306, 56]. **Computing**
[2033, 3027, 2512, 2317, 2399, 1966, 2455, 3545, 4216, 4255, 4267].
concentrative [1249]. **Concept**
[2856, 342, 710, 2252, 1143, 2251, 1621, 2661]. **conception** [732]. **Concepts**
[3089, 2965, 3240, 2874, 3064, 2579, 4191, 3895, 3994, 1529, 4093, 3733, 2456, 139, 3109, 2696, 2529, 2348, 2739, 2511, 3847]. **Conceptual** [1661, 3791, 875].
Concise [2346, 3296, 2848, 3806, 3955, 3847]. **Conclusion** [1888].
condensates [2573, 2277, 4228]. **Condensation** [2436, 1720, 2516, 2704].
Condensed [472, 3124, 3279, 2850, 2616, 2472, 2432, 2389, 2349, 2401, 1137, 1402, 1487, 1862, 3491, 3873, 2961, 3557, 1145, 4001, 3060, 1960, 2487, 3718, 3879, 3880, 3836, 4166, 3505, 1414, 2580]. **Condensed-Matter** [2472].
condition [1745, 3851]. **Conditional** [3515]. **Conditioning** [3138].
conditions [1207, 530, 2340, 3242]. **Condon** [3655]. **conductance** [1728].
Conducting [1268, 1269, 4206, 1449]. **Conduction** [607, 506, 3501, 515, 439].
conductivity [677, 1049, 425, 542, 378, 537, 333, 1289]. **conductor**
[558, 240, 3230]. **conductors** [918, 903]. **Cone** [2465]. **Cone-Beam** [2465].
Conference [143, 266, 3133, 3412, 156, 144, 3063, 137, 65, 79, 78, 554, 2727, 3261, 2984, 3075, 3054, 193, 2932, 2898, 157, 338, 3189, 4159, 2884, 415, 2651, 3012, 2780, 2760, 2750, 2441, 2822, 3039, 3067, 3267, 3348, 554, 51].
conferences [1070]. **confined** [1606]. **Confinement** [2646, 2928, 1825, 4164].
Conflicting [1836]. **Conformal** [2622]. **Conformational** [1449]. **confusing**
[1989]. **Congrès** [366]. **congress** [464]. **Conjugated** [3116, 1370]. **Conlon**
[3523]. **connected** [3456, 4339]. **Connections** [4104]. **Connolly** [3577].
Consales [3740]. **Consciousness** [1630, 2796]. **consequences** [23, 3689].
Conservation [3402, 2758, 414]. **conservatives** [1445]. **considerations**
[3159]. **Consoli** [3997]. **Constancy** [1175]. **Constant**
[4076, 2095, 632, 469, 712, 2254, 2253]. **Constantine** [2997]. **Constants**
[3083, 632, 2038, 3292, 2087, 311]. **Constitution** [2335]. **construct** [2202].
construction [1495]. **Consultants** [555]. **contact** [114]. **containing**
[991, 3889]. **Conte** [2489, 3052]. **Contemporary** [110, 2238, 303, 298, 306, 335, 1766, 95, 128, 55, 80, 269, 936, 409, 630, 2605, 185, 1014, 3327, 4153].
Context [4308, 1643, 3690]. **Continental** [4311, 3078]. **Continua** [2702].
Continuous [3431, 3233, 2971, 4317, 2176]. **Continuum**
[3205, 2365, 3947, 4061, 4178, 2874, 3096]. **contraction** [1615]. **contrast**
[2362]. **Contreras** [3189]. **Contributions** [2599]. **Control**
[3374, 3065, 2782, 2235, 1503, 2016, 3434, 4346, 2530, 4019]. **Controlled**
[2045, 1898, 193, 719, 853, 4116, 3578]. **controls** [2086]. **Controversy**
[4311, 3363, 3078]. **Contucci** [3269, 3735]. **convection** [1234, 3413].
Convective [1422, 1427, 3211]. **conversations** [3834]. **conversazione**
[214, 276, 350]. **conversion** [3822, 806]. **converter** [791]. **convolution** [745].
Cook [4069, 1083]. **cookbook** [4267]. **cool** [1378, 2441]. **cooled** [1720].
Coolen [3789]. **cooling** [723, 1536, 3852, 1864]. **Cooper** [1073].

Cooperative [1782]. **Coopersmith** [2661, 3762]. **Copeland** [3111]. **Copenhagen** [3513]. **Copernican** [4037]. **Copernicus** [3651]. **Coplan** [2463]. **copy** [3778]. **Corbally** [2468]. **core** [2188, 1290, 3722]. **Cornelius** [3119]. **Coronado**^{TM} [2302]. **Coronae** [3007]. **Coronal** [3007]. **correct** [1989]. **Correction** [4011, 4012, 1775, 3991, 4216, 3098]. **Correlated** [3029]. **correlation** [4169]. **correlations** [1712, 1691]. **Correspondence** [2765, 2437, 126, 2481, 3592]. **Corrigendum** [3324, 3325, 3385]. **Corso** [86]. **Cortez** [3507]. **Cosmic** [617, 1799, 3168, 3958, 3268, 2597, 2143, 156, 2292, 3423, 1075, 2000, 4351, 1659, 22, 3965, 4149, 4082, 4135, 1628, 1731, 2141, 1656, 3650, 3477, 3861, 1811, 4157, 3907, 1768, 415, 716, 1995, 345, 2447, 3203, 2870, 4143, 3845, 3669, 2379, 2881, 4065, 3667, 2456, 2964, 4243]. **Cosmic-ray** [2143]. **Cosmochemistry** [2613]. **Cosmogenesis** [4325, 1562]. **cosmogeny** [1408]. **cosmogonical** [1466]. **Cosmological** [2095, 4076, 2815, 3859, 1550, 2343]. **Cosmology** [3040, 4316, 4361, 4362, 2716, 929, 2599, 919, 1555, 3784, 4196, 3797, 2519, 1617, 2435, 3390, 2126, 4121, 998, 2215, 4176, 4145, 3593, 2658, 3168, 3047, 3074, 3436, 2519, 3093, 2343, 2539, 4205, 2903, 2611, 2741, 2591, 2922, 3723, 4209, 3502, 3620, 4044, 3816, 1100, 3691, 4200, 3854]. **Cosmos** [4315, 3455, 3240, 3215, 4133, 4328, 4109, 1823, 3261, 3378, 3695, 3579, 4155]. **cost** [1516]. **costs** [2063]. **Cotton** [2663]. **Cottrell** [3805]. **Coulomb** [1657, 3294]. **Council** [391, 437, 3206]. **Count** [1937]. **counter** [1678]. **counter-intuitive** [1678]. **counting** [2892]. **coupled** [3820]. **coupling** [3659, 4119, 3202, 2209]. **Coupon** [2521]. **Course** [2790, 2365, 3108, 3304, 159, 206, 3974, 2490, 3692, 3488, 4072, 52, 4095, 4265, 3605, 74, 2875, 2559, 3679, 4294]. **Courses** [154, 342, 40, 248, 2320]. **cousins** [1235, 2262, 2261]. **covalent** [901]. **Covariant** [2848]. **covering** [2320]. **Cowie** [2319]. **CP** [3061, 1978, 2586]. **Cracking** [2562]. **Cracow** [499]. **Crafting** [2585]. **cranks** [1445]. **crashes** [2047]. **Craters** [2672, 4031]. **CRC** [4217, 4284, 4271, 4259, 4269, 4270, 4283, 4094, 4258, 4267]. **creates** [4149]. **Creation** [4335, 1597, 3857, 3844]. **Creativity** [2679, 941]. **Creator** [4313, 3453]. **Creep** [428]. **Cremona** [2532]. **Crescitelli** [3740]. **Cressman** [4294]. **Creutz** [4164]. **crime** [823]. **Cripps** [3528]. **crisis** [18]. **Cristian** [3269]. **criteria** [1778]. **Critical** [2715, 1242, 2983, 2729, 521, 1903, 3516, 1703, 1912, 3929, 4147, 1737]. **Criticality** [3070]. **Critique** [2412]. **cross** [240, 3782]. **cross-disciplinary** [3782]. **cross-section** [240]. **Crossed** [816]. **Crossing** [4010]. **Crossover** [3417]. **crowd** [4109]. **crud** [1243]. **Crusts** [2826]. **Cryogenic** [1006]. **cryogenics** [411]. **Cryptanalysis** [2568]. **cryptography** [1692, 1693]. **Crystal** [3154, 4306, 2341, 800, 3930, 4320, 346, 3310, 2892, 1441, 994, 3900, 1163, 3626, 4198, 1503, 1894, 3424]. **crystalline** [381, 4247, 1254, 1831, 506, 3255, 1298]. **crystallization** [999, 1008]. **crystallographer** [4253]. **Crystallographic** [3930, 3310, 3131]. **crystallography** [3711, 630, 3494, 48, 583, 2769, 4083, 3599]. **Crystals** [1457, 3344, 2300, 2102, 790, 677, 1405, 1870, 1435, 546, 121, 1096, 2256, 908,

1332, 432, 1570, 1271, 1144, 1099, 550, 830, 478, 3294, 347, 2668, 2255, 3254]. **CT** [2465]. **Cubero** [3584]. **Cugliandolo** [2846, 3772, 3374, 2760]. **Cui** [3113]. **Cullerne** [2358]. **Cultural** [2803, 2211]. **Culture** [2884, 3945]. **Curiosity** [2849]. **Curmudgeon** [2886]. **Current** [2807, 5, 752, 126, 407, 3499, 2129, 1475, 1466, 447, 240, 3174, 139, 3184, 3827, 2628]. **current-carrying** [126, 407]. **Current-Driven** [2628]. **currents** [640, 398, 1073]. **Curriculum** [245, 479]. **Curry** [3495]. **Curved** [2648, 2524, 1278, 1282, 4141, 625]. **Cusano** [3179, 3740]. **Cushman** [2976]. **Cushman-Roisin** [2976]. **Cutolo** [3179]. **cycle** [3550, 1863, 4289, 3777]. **cycles** [3456, 4339]. **cyclones** [1091]. **Cyclotron** [47]. **cylinders** [4206]. **Cyron** [4241]. **Czysz** [2453].

D [3806, 3817, 4120, 4106, 2312, 3368, 1121, 4062, 2786, 2297, 2374, 440, 3785, 3699, 2385, 4140, 2334, 3656, 2311, 2471, 2912, 3171, 3383, 4069, 4184, 3744, 3322, 3628, 2696, 2775, 2494, 3620, 3793, 4072, 4190, 3753, 4021, 4046, 2737, 3769, 4003, 2597, 2330, 3661, 2318, 2765, 3254, 3810, 2524, 4097, 2379, 2525, 3457, 2692, 2899, 2427, 2803, 3145, 3307, 3691, 3589, 2689, 2985, 3316, 3500, 3127, 3094, 2633, 3607, 3683, 2676, 3183, 3704, 3526, 2419, 3471, 2793, 1562, 2259, 2683, 3087, 3032, 2470, 2559, 2934, 3021, 4039, 4033, 4023, 4058, 4176, 4215, 2456, 2041, 2779, 3328, 3432]. **D** [3666, 2223, 4354]. **D-Brane** [2786]. **D.F** [4066]. **D.J** [4066]. **D.S.I.R.** [29, 99]. **Dae** [3493]. **Daglis** [3787]. **Daily** [4052, 3490]. **Dalarsson** [2740]. **Dalby** [4097]. **Dameris** [3520]. **Dams** [2675]. **Dan** [2647, 3314, 3621]. **Dance** [2417]. **Daniel** [3583, 4232, 4268, 2897, 2944, 4105, 2771, 3186, 3285, 2632, 2768]. **Daniele** [2431]. **Daniels** [2354]. **Danner** [2932]. **Danon** [3076]. **Dario** [3659]. **Dark** [1637, 4076, 2714, 2664, 2576, 3197, 2630, 1392, 2450, 3670, 3464, 3547, 1992, 4160, 2046, 3956, 3268, 3136, 3542]. **Darken** [2843]. **darkness** [2570]. **Darrigol** [2887, 3798]. **Darrin** [2590]. **Darwin** [1343, 2534]. **Dass** [3526]. **Data** [2727, 2766, 3093, 2623, 2354, 3188, 701, 3577, 1896, 4007, 4207, 3259, 4078, 3577, 2901, 3808, 4019]. **Data-driven** [4019]. **dating** [1020]. **Datta** [2556]. **Dattagupta** [2403]. **David** [2921, 3115, 4202, 2911, 4273, 3376, 3133, 3195, 3579, 3055, 2775, 4285, 3343, 3451, 4006, 3438, 3479, 2816, 2548, 2668, 2746, 2690, 3169, 3469, 3121, 3005, 3263, 1057, 3232, 3532, 3697, 3584, 3471, 3505, 2503, 3260, 3372, 4058, 4207, 2598, 2922, 3355, 2919]. **Davide** [4242, 4208]. **Davidson** [3143]. **Davies** [3425, 2845, 3684]. **Davis** [2463, 3323, 3255]. **Davy** [331]. **Dawid** [3219]. **Dawn** [3322, 4213]. **Dawood** [3098]. **Dawson** [2322]. **day** [53, 4146, 278]. **Days** [2772, 4302, 1160, 89, 195, 242, 256, 262, 265, 277, 365, 334, 406, 662]. **Dead** [3056]. **Dear** [3574]. **Death** [3152, 2657, 3039]. **Debate** [2778, 2558, 747]. **decade** [1217, 1225, 707, 2626]. **Decades** [3020]. **Decay** [1149, 2606, 1155, 1958, 1650, 2115]. **decays** [1978]. **December** [1136]. **decision** [3589]. **decisive** [1156]. **Decoding** [2495]. **Deconstructing** [3816]. **dedicated** [2787]. **Deen** [3141]. **Deep** [4333, 4334, 3355, 1926, 1069, 3427, 3668]. **Deep-Sky** [4333, 4334, 3427, 3668].

Defect [2068]. **Defects** [1805, 464, 1449, 970, 1823, 4198]. **defence** [101]. **defining** [4102]. **definition** [2892, 13]. **deformation** [3544]. **deformations** [4231]. **degree** [2412]. **Deji** [2838]. **Dekker** [4224, 3044]. **Délery** [2841]. **Delft** [3994]. **delight** [2157, 1042]. **delivered** [50]. **delocalised** [4280]. **Delsanto** [4145]. **delta** [1588]. **delta-doped** [1588]. **demon** [3514, 1698, 2219]. **demonstrating** [3389]. **Demonstration** [151, 260, 861]. **Demonstrations** [3458, 236, 4324, 909, 285]. **demystified** [3645]. **Demystifying** [3336]. **Denizli** [4290]. **Denny** [2851, 2843, 2675]. **dense** [1291]. **Density** [2965, 3450, 2539, 141, 3853, 1283, 4314, 3824, 3770, 4273]. **Density-Functional** [2965]. **Denstone** [52]. **Department** [53]. **departments** [270, 79]. **departure** [554]. **Dependability** [2670]. **Dependent** [2965]. **depolarization** [653]. **depths** [1228, 1373]. **Derek** [3411]. **Dereniak** [2385, 2385]. **Dereziński** [3217]. **Derived** [3071]. **Dermer** [2597]. **Desai** [2461, 2490]. **Desbiolles** [3487]. **Desch** [4150]. **Description** [2979]. **Design** [2757, 2836, 3159, 2660, 2797, 3362, 3300, 869, 54, 5, 4252, 4242, 1495, 1154, 444, 1713, 1054, 2493, 3605]. **Designed** [2753]. **designer** [420]. **Designing** [950, 2463]. **Desorption** [1244]. **D'Espagnat** [875]. **destructive** [2515]. **detail** [4201]. **Detailed** [631]. **detect** [3464]. **detected** [818]. **Detecting** [1523, 2194]. **Detection** [2076, 2476, 2839, 2032, 284, 2046, 4288, 823, 2224, 2954, 2387, 4290, 3792]. **detector** [3389]. **Detectors** [3204, 3013, 937, 273, 453, 1542, 2294, 1760, 1752, 4158, 4152, 2169, 3893]. **determination** [430, 469, 911, 141, 2526]. **determining** [1677]. **Determinism** [3235, 3220]. **Deterministic** [2016]. **Detlef** [4154]. **Detonation** [2393]. **Development** [4360, 2854, 1248, 3441, 802, 1194, 324, 1045, 1053, 2241, 707, 2109, 245, 1752, 1316, 322, 330, 2242, 1748, 792]. **Developments** [854, 1340, 1405, 1870, 630, 1881, 838, 537, 638, 12, 333, 1713, 4098]. **Devenish** [3613]. **Device** [2838, 3279]. **Devices** [2660, 2538, 2932, 652, 2320, 2567, 1635, 3940, 543, 2048, 3174, 3101, 2567, 3141]. **Deville** [2794]. **Devoret** [3374]. **Dewar** [394]. **Dewhurst** [3700]. **DeWitt** [2301]. **DeWitt-Morette** [2301]. **Dexheimer** [2386]. **Deza** [3132]. **Dfl** [662]. **Dharma** [3167]. **Dharma-wardana** [3167]. **Dharmadasa** [3028]. **Dharmaraja** [3014]. **Diagnosing** [456]. **Diagnosis** [850, 1048, 886]. **diagnostic** [1775]. **diagnostics** [589, 3990, 2991]. **diagram** [1964, 425]. **Diagrammatic** [3157]. **dialogues** [3834]. **diameters** [609]. **Diamond** [2818, 11, 34, 93, 1363]. **diamond-anvil** [1363]. **Diamonds** [799]. **Dianne** [2512]. **Diaspro** [3795, 3608, 2624]. **diatomic** [4110]. **Dice** [2933, 4305, 1844]. **Dick** [3676]. **Dickerscheid** [2525]. **Dictionary** [2871, 3721]. **Did** [2336, 662, 1101, 2748]. **Didn't** [2312]. **Diederik** [3320]. **Dielectric** [2486, 1145]. **dielectrics** [832]. **Diep** [3209]. **difference** [407]. **Differences** [2345]. **Different** [2850, 2886]. **Differentiability** [3554]. **Differentiable** [2545]. **Differential** [2414, 2457, 2543, 2653, 3256, 3264, 542, 3480]. **differentiation** [3689]. **difficulty** [286]. **diffracting** [3370]. **Diffraction**

[287, 3050, 2121, 471, 60, 246, 629, 938, 1295, 1759, 686, 212, 455, 1736, 3494]. **Diffuse** [3058]. **Diffusion** [4320, 1468, 1912, 1298, 817, 979, 3640, 3866, 3186, 3866]. **Diffusion-limited** [1912]. **Diffusive** [1622, 3413]. **Digital** [2022, 1316, 3232, 1188, 3559, 4144, 3101]. **Dilute** [777, 3103, 2436]. **Dimakis** [2842]. **dimension** [1503, 3433]. **Dimensional** [4326, 2622, 2316, 3868, 615, 3550, 3781, 3793, 3358, 1993, 1292, 4222, 2555]. **Dimensions** [3079, 4304, 3877, 1552, 2021, 1429, 3760, 60, 1199, 2260, 3040, 2902, 2622, 4210, 4121, 2259, 2895]. **Dimitri** [4029]. **Dimitry** [2815]. **Dimo** [2715]. **Dimock** [2687]. **Dimoulas** [3666]. **Dina** [2621]. **Dine** [2893, 3783]. **Ding** [4252]. **Dinh** [3440]. **Diode** [1528, 1270, 1748]. **Diode-pumped** [1528]. **Diodes** [2909]. **diploma** [154]. **dipole** [126, 664, 1948]. **Diptiman** [3539]. **diquarks** [2159]. **Dirac** [3840, 2350, 1569, 2953, 1933, 694, 2336, 3851, 2103]. **Direct** [1206, 2046]. **Directions** [2926, 2572]. **Dirk** [2615, 2823, 3144, 2937]. **disappearance** [2359]. **disaster** [763]. **discharge** [1046]. **discharges** [2137]. **disciplinary** [3782]. **disciplines** [2842, 2352]. **discontinuous** [515]. **discord** [2206]. **discotic** [1870]. **discourse** [50, 3157]. **discovered** [2735]. **discoveries** [4028, 2294, 1265, 2321]. **Discovering** [4101, 3676, 4256]. **Discovery** [3349, 2986, 1301, 3468, 4135, 2257, 1773, 2574, 3821, 1097, 2258, 3465, 1608, 4065, 2053, 247]. **Discrete** [4317, 4322, 3421, 2153, 3061, 3431, 2517]. **discrimination** [1935]. **Discs** [2441]. **Discussing** [2864]. **discussion** [261]. **dislocation** [1290]. **dislocations** [3826, 287, 1211, 3147]. **Disorder** [3139, 2007, 581]. **disordered** [3735, 2942]. **Dispatches** [2519]. **Dispersion** [3218]. **Dispersive** [2659, 1489]. **display** [1099]. **disposal** [1501]. **dissipation** [3639, 3303]. **Dissipative** [3162, 1140]. **dissymmetry** [470]. **distance** [1839]. **Distances** [1304, 840, 1731]. **distant** [2013, 1714, 262, 4340, 3876]. **distributed** [3745]. **Distributing** [4126]. **distribution** [368, 3517, 1776, 382]. **distributions** [1080, 2142]. **disturbances** [574]. **dited** [4058]. **Ditlevsen** [2689]. **Ditton** [334]. **Divakaran** [3539]. **diversions** [3828]. **diversity** [4150]. **Divide** [3056]. **division** [264]. **Djordjevic** [4216]. **Dmitry** [3492]. **DNA** [2108, 2101, 2077, 2053, 1544, 3606]. **do** [3698, 4005, 4154, 3034]. **Dobrosavljevic** [3230]. **Docktor** [4225]. **docs** [3057, 2993, 3016]. **documentary** [2367]. **documents** [4113]. **Dodd** [4211]. **Dodelson** [3709]. **dodging** [1858]. **D'Odorico** [2833]. **Does** [3383, 1998, 2097, 2933, 1347, 3982]. **doi.org** [4206]. **Dokshitzer** [2822]. **Dollis** [89, 277]. **Domain** [748, 3207, 546, 791, 909]. **domains** [943]. **Domine** [4125]. **Don** [3403, 3258, 3378]. **Donald** [3647, 3588, 3100]. **Dong** [3542]. **Donges** [3531]. **Donnachie** [2366]. **Donnelly** [3754]. **Donoghue** [3430]. **Don't** [4145]. **Door** [2742]. **doped** [1588]. **Doping** [1119, 518, 532]. **Doppler** [574]. **Dose** [3444, 1444]. **dosimetry** [832]. **dot** [3482]. **dots** [2326, 2014]. **Double** [2606, 2505, 2115, 631, 752, 3778, 3413]. **Double-diffusive** [3413]. **Doublet** [2966]. **doubt** [4023]. **Dowling** [3239]. **Down** [4308, 1607, 3822, 3416, 3690]. **down-conversion** [3822]. **Dr** [3488].

Dr. [1034]. **drag** [2276]. **drawings** [268]. **dream** [1972]. **dressed** [2175]. **Dreyer** [2340]. **Drift** [4311, 3078, 3640]. **Driscoll** [2749]. **Drive** [2849]. **driven** [3934, 2179, 3387, 4088, 2628, 4019, 4095, 4265]. **Drives** [3164]. **driving** [3563, 3360]. **drop** [1913]. **droplet** [1347, 2423]. **drum** [1627]. **Drummond** [3368]. **dry** [1571]. **DSIR** [127, 168, 213, 220, 264]. **Dua** [2943]. **dualism** [112]. **duality** [3498, 1830, 2961, 3510, 3863]. **Duan** [3489]. **Dubus** [3333]. **Duck** [3575]. **Ducloy** [2846]. **Dudley** [2725]. **due** [430, 165, 1737]. **Dufrêne** [2834]. **dull** [1409]. **Dunajski** [2544]. **Duncan** [4199, 3791]. **Dunlop** [3066]. **Dunmur** [2668]. **Dunn** [2860]. **Dunningham** [2655]. **Duppe** [3611]. **duration** [1903]. **during** [1442]. **Dürr** [4154]. **Durrer** [4157, 2292]. **Dust** [3309, 3348, 2469, 2345]. **Dusty** [2652]. **Dutta** [3539]. **DVD** [3276, 3314]. **DVD-ROM** [3276, 3314]. **Dwarfs** [4090, 1749, 1798]. **Dwight** [3574, 3485]. **Dykman** [3024]. **dynamic** [3919, 3672]. **Dynamical** [1391, 3340, 2869, 2695, 1474, 3905, 4019, 3967, 2352, 3002, 2315, 2859]. **Dynamics** [3350, 2786, 2840, 2727, 3373, 4307, 2333, 3366, 3202, 2839, 2821, 2500, 2976, 2416, 3471, 2181, 2184, 1887, 3554, 1422, 1427, 2604, 1994, 3515, 1805, 1416, 3552, 2734, 1350, 1503, 1893, 952, 3678, 3832, 2062, 2208, 3749, 3996, 3933, 651, 2219, 4088, 3707, 3867, 3761, 4168, 1817, 3025, 2561, 2806, 2950, 2997, 2316, 2376, 2540, 2663, 4190, 3604, 3489, 4172, 3377, 3479, 3366, 2461, 3430, 3482, 3921, 3932]. **Dynamo** [1768, 684, 403]. **Dyson** [3918, 3551, 3574, 3412]. **Dzevad** [2975].

E-Book [4286, 4118, 4143, 4209, 4183, 4155, 4291, 4285, 4196, 4187, 4186, 4189, 4144, 4297, 4265, 4220, 4243, 4142, 4185, 4254, 4272, 4149, 4275, 4268, 4139, 4154, 4148, 4235, 4222, 4257, 4269, 4270, 4295, 4274, 4150, 3423, 4200, 4205, 4224, 4201, 4244, 4260, 3337, 4171, 4145]. **ear** [421, 475]. **earliest** [1773]. **Early** [2815, 1214, 2854, 3014, 2921, 4120, 4078, 4060, 4106, 2686, 2883, 3157, 3395, 3052, 3350, 2989, 3061, 3098, 3201, 2667, 4241, 4275, 3022, 3180, 3506, 2819, 2648, 2911, 2840, 3107, 2593, 3298, 3365, 2830, 2715, 3124, 2544, 3376, 4231, 2795, 2955, 2865, 3116, 4154, 3349, 3137, 4113, 2866, 3038, 3095, 3035, 3247, 4118, 3296, 2939, 2836, 2853, 2785, 2988, 3194, 3179, 3353, 3408, 3499, 4240, 4272, 2617, 2775, 3207, 3370, 2621, 2907, 3168, 3245, 2791, 2841, 2999, 4072, 4052, 4178, 4190, 4198, 2965, 3279, 3494, 3501, 3450, 3452, 4081, 4204, 4203, 4162, 4235, 4257, 4259, 4269, 4295]. **early** [2693, 2660, 2800, 2954, 3054, 3407, 2887, 3126, 3205, 4085, 4108, 4068, 4119, 4196, 3184, 3007, 3081, 3074, 3689, 3099, 4187, 4294, 2538, 2820, 3046, 3431, 3143, 3233, 3258, 3366, 3429, 2670, 2771, 3050, 4165, 3303, 3398, 3492, 2716, 3128, 3274, 3382, 3080, 3005, 4157, 3230, 3210, 3446, 4186, 2539, 3340, 3423, 2526, 3026, 3003, 3424, 3189, 3511, 2680, 3015, 3162, 3447, 2929, 3367, 2512, 3232, 3307, 3449, 3065, 2622, 3430, 2839, 1160, 3272, 4121, 2784, 2712, 3127, 3033, 3012, 4122, 3094, 2068, 2780, 2624, 2835, 2874, 2924, 2837, 2834, 2760, 2750, 2880, 3062, 3119, 3409, 4054]. **early** [4083, 4189, 3347, 1647, 2546, 3414, 3476, 3489, 4255, 4219, 4276, 4166, 4167, 2759, 3138, 3346, 2725, 2557, 4199, 4297, 2896, 3228, 3461, 4253, 4265, 4266, 3148, 3146, 3141, 3404, 3391, 3410,

3440, 3482, 3441, 3481, 3483, 3439, 3504, 3503, 4063, 4220, 4174, 3963, 2758, 3191, 3185, 3278, 3508, 2799, 2807, 2826, 2654, 455, 2665, 2666, 2832, 3306, 3495, 4058, 4215, 3397, 4185, 4168, 2920, 2882, 2967, 2919, 2586, 2769]. **early-career** [3365, 4185]. **Earth** [2335, 3456, 2289, 2898, 156, 3415, 2909, 3096, 4339, 2982, 3085, 3722, 4058, 1101, 3889, 3597, 570, 1751, 4104, 2188, 252, 1522, 178, 1212, 1773, 1924, 1700, 3416, 4327, 1788, 3423, 2672, 2993, 2644, 3276, 3676, 3134]. **Earthquake** [1067]. **earthquakes** [456]. **Earths** [3876, 3889, 4340, 2190, 2603]. **Easy** [2639, 861, 3037]. **eat** [3009]. **ebook** [4225, 4241, 4293, 4173, 4204, 4281, 4233]. **Echo** [3373, 1076]. **eclipse** [3908]. **eclipses** [3751]. **ecological** [4093]. **ecology** [4219]. **economics** [410, 3899, 3503, 3248, 2782]. **economists** [3503]. **econophysics** [2960, 2634, 3248, 2657]. **Ecosystems** [3410]. **ed** [2509, 4090, 3196, 2971, 3209, 2436, 2511, 2422, 2453, 2475, 2470, 2802]. **ed.** [3900, 3979]. **Eddington** [1136, 1264]. **Eddy** [3488]. **Edge** [2519, 2647]. **Edited** [584, 2082, 555, 3157, 3333, 3618, 2414, 2893, 2926, 2756, 3079, 3574, 3098, 3201, 1191, 2296, 2297, 848, 2819, 2527, 2596, 2767, 3051, 2840, 3699, 2386, 2485, 3203, 3772, 2830, 2858, 3313, 4032, 4009, 2795, 2311, 2912, 2751, 2727, 3091, 3133, 3010, 3229, 3261, 3171, 3412, 3320, 3425, 3945, 4028, 4123, 4154, 4221, 3646, 3371, 3137, 4100, 3659, 3747, 1131, 2984, 2798, 2991, 3104, 2988, 3194, 3179, 3353, 3408, 3499, 4240, 4272, 2775, 2779, 3370, 2626, 3075, 2755, 2342, 2421, 4285, 2541, 3004, 3784, 1092, 3047, 3626, 2294, 4252, 4235, 4270, 2366, 2542, 3054, 1069, 3126, 4108]. **edited** [4119, 4196, 3184, 4242, 4250, 2850, 2737, 3113, 2993, 3436, 3630, 3689, 3787, 4031, 4048, 4015, 2674, 2918, 2387, 2506, 2765, 2709, 2886, 2746, 3312, 3143, 3374, 2396, 3024, 2771, 3050, 3392, 3135, 2431, 3273, 3108, 2437, 2714, 3230, 2371, 2435, 2623, 2379, 2616, 3187, 3340, 3457, 3487, 3678, 2682, 3003, 3189, 2923, 2983, 4159, 4161, 2288, 1057, 2671, 2973, 3246, 3367, 2395, 2647, 2685, 2743, 2739, 2803, 2884, 2946, 3145, 3031, 3307, 3653, 3740, 4099, 4224, 3305, 2839, 2652, 4131, 2467, 2651, 2472, 2712, 3033, 3012, 3666, 3209, 3094, 2780, 2624, 2834, 2760, 2876, 2750, 3062]. **edited** [3002, 3119, 3063, 3607, 3735, 3795, 2974, 2846, 2441, 3132, 2535, 2443, 3476, 3681, 3760, 2725, 1140, 2322, 3337, 3461, 2315, 2376, 2378, 2628, 2627, 2629, 2720, 2879, 3059, 3440, 3441, 3481, 3505, 3673, 3596, 3611, 4220, 3281, 4147, 2368, 2503, 2630, 2799, 3664, 2632, 2822, 3087, 2599, 2666, 2388, 2470, 2590, 2721, 3082, 3129, 3684, 3792, 4033, 4058, 4136, 2598, 2787, 3676, 3039, 3067, 3267, 3348, 3594, 3590, 3593, 2922, 1146, 44, 3633, 3714]. **Edition** [3318, 3201, 3349, 3257, 3494, 3323, 3377, 3317, 3400, 3553, 3427, 3437, 3436, 3588, 2706, 3163, 3429, 3274, 3200, 3231, 3234, 3065, 3271, 3216, 3347, 3461, 3255, 3285, 3286, 3443, 3817, 3766, 4078, 3395, 2463, 2462, 4211, 3721, 3509, 4275, 2560, 3458, 3796, 2828, 4140, 2335, 4056, 4273, 4293, 2857, 3723, 3609, 4005, 4123, 2320, 4061, 4183, 3647, 2845, 3626, 3826, 4190, 4148, 3280, 3561, 3809, 4081, 4204, 4130, 4259, 4269, 4281, 4295, 3999, 3668, 3708, 3631, 3643, 3783, 4040, 3957, 4091, 4187, 4283, 4294, 4165, 3510, 3401, 4157, 4292, 2299,

3162, 3208, 3768, 3770, 3430, 3712, 2855]. **edition**
[4282, 4131, 3703, 4122, 4201, 4244, 4053, 4080, 4189, 4234, 4144, 3132, 3731, 3645, 3996, 3995, 4071, 4066, 4077, 4167, 2314, 2390, 4253, 3672, 3528, 3701, 4092, 4216, 2370, 2388, 2373, 3215, 3411, 3475, 3621, 3667, 3581, 3818, 4004, 4233, 4175, 2319, 4133, 3986, 3947, 3845, 3962, 3920, 3910, 3832, 3973, 3842, 3827, 3922, 3917, 3949, 3863, 3890, 3850, 3916]. **Edition/** [4201]. **Editorial** [419, 922, 1558, 2478, 2697, 2958, 3158, 3288, 3725, 3289, 1232, 3569]. **Edmondson** [2809]. **Edmund** [3349]. **edn**
[2788, 2829, 2786, 2667, 2936, 2927, 2715, 3124, 2868, 2955, 2865, 3116, 2866, 2945, 2995, 2939, 3023, 2621, 2907, 2639, 2792, 2533, 3036, 2901, 2806, 2684, 2954, 3016, 2996, 2523, 2889, 2916, 2738, 2517, 2796, 2873, 2890, 2869, 2997, 2676, 2728, 3109, 2976, 3138, 2557, 2701, 2638, 2913, 2579, 2952, 2982, 2665, 2666, 2646, 2663, 2885, 2736, 2827, 3134, 3153, 3021, 2882, 2919, 2586, 2703]. **eds** [3553]. **Eduardo** [3124]. **educated** [2353, 2438]. **education**
[78, 43, 307, 1019, 289, 341, 2644, 389, 79]. **educational** [362]. **Edward** [3115, 2600, 3177, 1100, 4071, 2802]. **Edwin** [3411, 2175, 139]. **effect**
[1372, 1933, 933, 1685, 2765, 2164, 909, 1450, 490, 759, 13, 61, 133, 6, 2428]. **Effective** [1178, 2349]. **Effects**
[2425, 1012, 374, 2422, 834, 832, 3530, 4006, 2007, 1596, 4141, 425, 1987, 1602, 926, 2271, 2445, 542, 683, 507, 2248, 3546, 1635, 3482, 2721, 2247]. **efficiency** [1797]. **Effrosyni** [3186]. **Efroimsky** [2832]. **Egdall** [3302]. **Egor** [3460]. **Egypt** [3063]. **Ehrlich** [4294, 2371]. **Ehsan** [3504]. **Ehud** [3410]. **Eicher** [3579, 3355]. **Eichhorn** [3568]. **Eigen** [3380]. **eightfold** [3758]. **Eiji** [3184]. **Einasto** [3268]. **Einstein** [3840, 2565, 2912, 3987, 3009, 2562, 2864, 2649, 3006, 2436, 3473, 2718, 2558, 4067, 2534, 2704, 2573, 1720, 1950, 4076, 946, 1165, 3473, 3461, 3291, 2277, 4228, 2160, 1165, 3945, 3302, 3071, 3363, 3155]. **Eisberg** [3379]. **Eisberg-'t** [3379]. **EISCAT** [833]. **Either** [1388, 3056]. **Ekert** [2846]. **Ekspong** [2082]. **El-Batanouny** [2432, 4166]. **Elastic** [2702, 491, 3900, 3544]. **Elasticity** [2835, 4198, 3359, 3864, 588, 4190]. **Electric** [2491, 1948, 2443, 311, 2304, 664, 398, 165, 4289, 61, 597, 2453]. **Electrical** [515, 3149, 560, 671, 374, 1401, 398, 1211, 1046, 1210, 3647, 3501]. **Electricity** [3200, 486, 4062, 374, 111, 3115, 3200, 2802]. **Electrification** [114]. **Electro** [3323, 2378, 3362]. **Electro-optic** [3362]. **Electro-Optics** [3323]. **Electrochemical** [1529, 4272, 2799]. **electrocrystallization** [448]. **electrodynamic** [202, 238]. **Electrodynamics**
[2856, 2848, 4305, 3738, 2811, 1606, 1844, 3398, 2744, 3166]. **electrojet** [494]. **electrokinetics** [4153]. **Electroluminescence** [140]. **Electrolysis** [514]. **Electromagnetic** [105, 2757, 3118, 3407, 3198, 2900, 1722, 4106, 3176, 2347, 4234, 4289, 4116, 247, 4140, 4038, 3744, 3747, 2366, 3642, 3382, 2546]. **Electromagnetics** [3055, 2486, 2347, 3714]. **Electromagnetism** [176, 3233, 13, 61, 133, 2978, 164, 286, 363, 511, 4232]. **Electromechanics** [3148]. **Electron**
[2375, 1648, 640, 1364, 3118, 693, 1712, 1670, 1495, 1063, 3059, 1814, 915, 3953, 631, 2221, 881, 476, 1045, 1053, 615, 1998, 845, 1143, 1308, 1956, 1064, 583, 1029,

1677, 2642, 1452, 524, 607, 437, 1759, 686, 953, 971, 2272, 3874, 3882, 4224, 502, 1120, 949, 705, 376, 651, 217, 2209, 455, 2275, 1225, 1131, 3026, 3937, 2344]. **electron-atom** [1677, 1452]. **electron-hole** [1308, 953, 949]. **Electronic** [2966, 3894, 2096, 3265, 1518, 1541, 1204, 4247, 4278, 2076, 4081, 1027, 807, 1807, 901, 558, 962, 3903, 543, 2209, 1055, 4215, 1244, 3799, 651, 3116, 2466, 56, 555, 2487, 4122, 3255]. **Electronics** [2795, 2998, 144, 771, 325, 1538, 65, 4229, 3101, 2746, 3446, 4260]. **Electrons** [3029, 2300, 1254, 860, 161, 174, 182, 190, 200, 788, 1285, 3779, 1151, 651, 3446, 1057, 4172]. **electrophoresis** [1544]. **electrostatic** [522, 164, 1841]. **Electrostatics** [3118, 205, 298, 285, 303, 4206]. **electrothermal** [3961]. **Electrotransport** [731]. **Electroweak** [1818, 2183, 3677]. **Elegance** [3100]. **Elementary** [2560, 2897, 1318, 4358, 3317, 354, 2244, 197, 285, 315, 46, 2240, 416, 296, 3913, 286, 1001, 3801, 3731, 4271, 4045, 2239, 2243, 2633]. **Elements** [2433, 938, 2769, 1204, 3889, 607, 1324, 2165, 119, 890, 3244, 2296, 3835, 3341, 2729]. **Elena** [3004, 2535, 2592]. **Eli** [2619]. **Elias** [4131]. **Elihu** [2755]. **Elisa** [3667]. **Elizabeth** [3203, 4150]. **Elkins** [3689]. **Elkins-Tanton** [3689]. **Ellad** [2874]. **Ellen** [3333]. **Elliott** [2874]. **Ellis** [2311, 2903, 3171, 2984, 3690, 3684]. **Elsevier** [662, 4183, 4186, 4224, 4054, 4053, 4189, 4216, 4111]. **Elvira** [2387]. **embryonic** [1487]. **emergence** [3131, 3794, 3597, 1960, 4276]. **Emergent** [4075, 3469]. **Emidio** [4160]. **Emigration** [222]. **Emilio** [1265]. **Emin** [3169]. **Emission** [3098, 2102, 314, 1922, 643, 123, 2030, 698, 699]. **emissions** [1703]. **emitter** [4051]. **Emitting** [2909]. **Emlet** [4258]. **Emmanuel** [3306]. **Emmy** [3817, 2683]. **emphasizing** [3926]. **emulate** [4243]. **enabled** [4236]. **encounter** [3680]. **Encounters** [2796]. **Encrenaz** [2476, 3415]. **Encyclopaedia** [3119]. **encyclopedia** [3119]. **encyclopedic** [2422, 4031]. **end** [2810]. **endeavour** [2278]. **endor** [631]. **enduring** [3612]. **energies** [680, 2000, 2866]. **Energy** [145, 3350, 2926, 3073, 2662, 3194, 2999, 2597, 2566, 3099, 4076, 2714, 1473, 2738, 2415, 83, 2722, 77, 241, 2789, 2928, 3593, 834, 2450, 3807, 3333, 171, 416, 1922, 4179, 4217, 1340, 3464, 3715, 4272, 3570, 2733, 3784, 1020, 1924, 764, 3824, 4294, 4049, 653, 686, 3352, 160, 1716, 1075, 137, 2831, 412, 3818, 1127, 2447, 2293, 3542, 2661, 4257, 3274, 3892]. **engagement** [4186]. **engagement/kaminski/978** [4186]. **Engel** [3667]. **engineer** [4217, 3499, 3488, 2309, 2465, 2464, 2671, 2584, 4241, 4252, 4242, 4250]. **Engineered** [3374]. **Engineering** [3122, 2842, 450, 2396, 2797, 2590, 4078, 420, 428, 618, 2749, 4026, 4052, 1104, 647, 3768, 2653, 3712, 4019, 4265, 3434, 4216, 4346, 444, 2041, 2358, 3055, 2794, 3323, 2457, 2675, 3208, 2395, 3806, 3995, 3484, 2474, 2784]. **Engineers** [3014, 3178, 2967, 2883, 3122, 3395, 3333, 109, 4275, 2828, 3011, 3154, 2865, 3349, 3371, 3038, 3035, 2836, 3275, 3194, 3179, 3353, 3408, 4272, 2941, 2791, 2841, 4190, 4198, 2702, 2660, 2800, 2954, 2944, 3323, 3407, 3205, 2674, 3233, 3366, 2670, 3050, 2523, 3005, 4186, 2474, 3283, 3026, 3003, 3424, 3140, 3246, 2647, 3084, 3145, 3259, 3232, 3307, 3449, 3049, 3231, 3234, 2784, 2874, 2924, 2880, 3062, 3119, 2722, 4188, 2725, 2557, 4199, 4095, 4265, 4266, 3404, 3440,

3482, 3441, 3481, 3483, 3505, 3504, 3503, 2910, 2665, 2928, 2969, 3484, 3474, 3300, 4185, 2915, 2920, 2882, 2919, 2769, 4120]. **engineers** [4078, 4060, 4106, 4248, 4178, 4068, 4071, 4084, 4197, 4188, 3536, 3974]. **engineers.** [4072]. **engines** [932, 3966, 2453, 3349]. **Englert** [2846, 3398]. **English** [4187]. **Enhanced** [3408]. **enhancement** [3159]. **Enigma** [2796, 4027, 1992, 3997]. **Enlarged** [3065, 4187]. **enlightenment** [2278]. **enquiry** [231]. **Enric** [4141]. **Enrico** [2674, 3810, 3214, 2634, 4341]. **Entangled** [1407, 2055, 2371]. **entangled-photon** [2055]. **Entanglement** [2071, 2854, 3175, 2862, 1840, 4192, 2935, 3510, 3863]. **Enterprise** [2449]. **Entin** [4096]. **Entin-Wohlman** [4096]. **entropies** [3221]. **Entropy** [1297, 2866, 1574, 581, 2281, 3654, 4175, 3258, 4217, 3645, 2994]. **entry** [3979]. **envelope** [3926, 3311]. **Environment** [834, 252, 896, 1510, 1535, 1522, 2224, 2404, 2798]. **Environmental** [1671, 4310, 2204, 2722, 2833, 3766, 4240, 3459]. **environments** [3891]. **Enz** [2057]. **Eothen** [313]. **ePDF** [4295]. **epidemics** [2762, 4219]. **epitaxial** [1341]. **epitaxy** [1475, 1503]. **epitaxy-fundamentals** [1475]. **EPR** [1808]. **ePub** [4295]. **Equation** [2995, 2953, 2730, 625, 2154, 3640, 4105, 3902]. **Equations** [3840, 2457, 2543, 2649, 3256, 3573, 4156, 2605, 1259, 3866, 2414, 2653, 2874, 3402]. **equatorial** [691]. **Equilibrium** [2290, 2824, 2406, 3833, 297, 2369, 2219, 4168, 4095, 3038]. **equinox** [3394]. **Equipment** [2670, 4244]. **equivalence** [1614, 238]. **Equivalent** [3198]. **era** [3518, 2045, 3101, 3613, 3825]. **Erasmo** [4113, 3370]. **erasure** [1943]. **Erdmenger** [3498]. **Eren** [3407]. **Erenso** [4232]. **Eric** [3244, 3597, 2983, 3183, 2582, 3042]. **Erik** [3119, 2804]. **Ernest** [3171]. **Ernesto** [3642, 3665]. **erosion** [2213]. **Erratum** [198, 427, 1224, 1321]. **error** [3991, 4216]. **Errors** [396]. **eruption** [2001]. **Eruptive** [2223]. **Erwin** [3309]. **Escribano** [3678]. **especially** [2811]. **Espenak** [3751]. **Esposito** [2674]. **Essay** [2099, 3520, 3909, 155, 1121, 1335, 2893, 2772, 3523, 1265, 1778, 1191, 1808, 1800, 440, 675, 848, 1820, 2034, 3522, 1836, 3911, 205, 3425, 1040, 1083, 1777, 1852, 2057, 1131, 223, 2329, 3102, 3524, 1783, 1904, 1857, 146, 1938, 1801, 965, 1092, 2191, 875, 1770, 1069, 4015, 3910, 1843, 2035, 2765, 316, 850, 3421, 2644, 3423, 1100, 1851, 3078, 1057, 1819, 56, 1813, 1165, 1653, 129, 3521, 1858, 2552, 1937, 1140, 2701, 3337, 1039, 1562, 1814, 1844, 1827, 188, 2041, 1146, 44, 834, 1835, 1936, 584, 2426, 2413, 2710]. **Essays** [3381, 2311, 4196, 3681, 2983]. **Essence** [2486, 1504, 4083]. **Essential** [2312, 3212, 3067, 1442, 3541, 3212, 3315, 3552, 3887, 3655]. **Essentials** [4356, 3139, 4182, 2320, 3055, 3457, 2950, 4174, 3068]. **Essig** [4028]. **Establishment** [77, 241]. **Establishments** [213, 127, 168, 220, 264]. **estimation** [4053]. **Estrada** [3665]. **Ether** [1132, 4100]. **Etienne** [3500]. **Ettore** [2359]. **Eugene** [3430, 2924, 2580, 3476, 3505]. **Eugenio** [3204]. **Euler** [3235]. **EUR** [4148, 4208]. **EUR139.13** [4224]. **EUR150.00** [4284]. **Euro** [4253]. **Europe** [3956, 740, 3001]. **European** [869, 667]. **evaluation** [1503]. **Evans** [2542]. **evaporatively** [1720]. **evening** [50]. **events** [3800, 2223]. **ever** [1916]. **Everett** [2508, 3469, 3164, 3469]. **Everettian**

[4014]. **everybody** [2080, 3752]. **Everyday** [3302, 2971]. **Everyone** [4337, 4285, 3871, 4145]. **Everything** [3283, 4341, 2124, 3295, 3856, 3810, 1601, 3867, 3931]. **Everywhen** [2581]. **Everywhere** [2581]. **Evidence** [3093]. **Evolution** [2843, 4319, 3266, 3364, 3422, 2709, 2839, 2467, 2620, 2501, 2994, 3134, 755, 4123, 374, 3479, 3861, 3993, 3970, 4146, 81, 1851, 1911, 4114, 3533, 1220, 2960, 890, 2621, 2826, 3928]. **Evolving** [2993]. **exact** [4210, 2718]. **Exactly** [3652]. **exam** [3492]. **examination** [2359]. **Example** [3052]. **Examples** [1678]. **excellence** [1927]. **Excel(R)** [2901]. **Exchange** [1515, 1458, 653]. **Excitability** [2409]. **excitable** [2325]. **excitation** [1518, 1541, 831, 623, 637, 653, 1517]. **excitations** [1027, 2897, 3214, 3632]. **excited** [980, 1776]. **Exciting** [1531, 3516]. **Exciton** [2516]. **Excursions** [3262]. **exegesis** [3798]. **Exercises** [3138]. **Exhibition** [38, 144, 65, 36, 37, 97, 158, 441, 485, 308, 526, 568, 619, 442, 39]. **exhibits** [214, 276, 350]. **existence** [2161, 3794]. **Exner** [2370]. **exobiology** [4123]. **Exofrontiers** [4221]. **exoplanet** [3698, 3910, 2654]. **exoplanetary** [4221, 3733]. **Exoplanets** [3067, 4340, 2709, 3415, 3876]. **Exotic** [722, 565, 2971, 1879, 2514]. **Expanded** [3349]. **Expanding** [2778, 3620]. **expansion** [837, 1615]. **expeditions** [3908]. **expenditure** [675]. **experienced** [3967]. **Experiment** [2164, 2712, 3853, 2383, 414, 2120, 789, 545, 3916, 2992]. **Experimental** [3395, 1255, 2837, 2750, 1149, 982, 3480, 785, 2294, 3824, 2519, 3510, 1529, 1812, 3863, 4078, 2616, 3555, 3236]. **experimentalists** [4202]. **Experiments** [2927, 2662, 4324, 3006, 2924, 151, 646, 5, 3696, 2339, 861, 816, 3161, 980, 1811, 4087, 4089, 3997, 3590, 2647, 3696, 3458]. **experts** [2659, 3206, 2453, 2388, 2590, 2663]. **experts/advanced** [2388]. **Explained** [3071, 2453]. **explaining** [3731]. **explanation** [3649]. **Exploding** [2929]. **Exploration** [3020, 1974, 482, 1021, 281, 305, 312, 329, 337, 344]. **Explorations** [412, 435]. **explorer** [1628]. **explores** [4172]. **Exploring** [2195, 1590, 602, 3206, 3433, 3151, 3270, 3608, 19, 4187, 3114, 2899, 2860, 2608, 4039]. **explosion** [1657]. **explosions** [820, 456, 3586, 3075, 3761]. **explosive** [459]. **exposition** [440]. **Exposure** [3575, 1596]. **extending** [3731]. **Extensions** [3311]. **external** [3482]. **extinction** [1629]. **Extra** [3040, 2839]. **Extra-Solar** [2839]. **Extragalactic** [752, 3907]. **Extraordinary** [3403, 3128, 4338, 4047]. **Extrasolar** [2476, 3334]. **Extraterrestrial** [3195, 3378]. **Extreme** [3356, 3242, 3242]. **extremely** [142, 4263]. **extremes** [2110]. **Eye** [2943]. **eyes** [1399, 3615]. **Ezawa** [2422]. **Ezekiel** [1191].

F [899, 2357, 4268, 2486, 2485, 3772, 2375, 3539, 2425, 3716, 2795, 3695, 2984, 3322, 2988, 2764, 3308, 3212, 3193, 2779, 2931, 2255, 2421, 2392, 4081, 2383, 2366, 3113, 3016, 3341, 3553, 3631, 3643, 3773, 3751, 4040, 4042, 2387, 2333, 3374, 2562, 2476, 2526, 3189, 2946, 4093, 3697, 3430, 3712, 2903, 2432, 4201, 2846, 3255, 3265, 3566, 3555, 2422, 4059, 2632, 2426, 3082, 3535, 3484, 3684, 4172, 3397, 2768, 4231]. **F-theory** [2383]. **F.R.S** [1136]. **F.R.S.**

[648, 796, 1034]. **Fabbrichesi** [4160]. **Fabian** [3520]. **Fabre** [3772, 2686]. **Fabrice** [3788]. **Fabry** [3862, 657]. **Faces** [3840, 894, 2441]. **facilities** [2355]. **facing** [270]. **Facsimile** [3473]. **Fact** [2548]. **Factors** [387]. **Facts** [3913, 2343]. **Fadeev** [3885]. **Fadin** [2609]. **Fähnle** [2522]. **Failed** [2658, 3502]. **Failure** [3384]. **Faist** [3146]. **Faith** [3426, 3636]. **Falcioni** [2351]. **Falkovich** [2790]. **fall** [1265]. **Fallacy** [2753]. **Fallani** [3245]. **Fallible** [1644]. **Falling** [1265]. **false** [2133, 1171]. **Familiarity** [3380]. **family** [1139]. **fantasy** [3636]. **Fantini** [3565]. **Far** [495, 2272, 582, 602, 3833]. **Far-infrared** [2272]. **Faraday** [2650, 165, 84, 247]. **Faraoni** [4243]. **Faria** [2681, 2316]. **Farr** [3264]. **Fascination** [2371]. **Fashion** [3636]. **Fasolino** [3033]. **Fast** [903, 283, 1594, 887, 2809]. **fastest** [4172]. **Fatermans** [4224]. **Father** [4341, 3810]. **Fathi** [2315]. **fatigue** [428]. **Fauchet** [2396]. **favourite** [2034]. **Fayyazuddin** [3401, 2855]. **Fe** [4180, 4180]. **Feats** [2675]. **feature** [1629]. **features** [4149]. **Featuring** [2901]. **Fedor** [2719]. **feedback** [2235, 2039, 3482]. **feet** [3492]. **Feigelson** [3183]. **Felder** [2368]. **Feldman** [2295]. **Felice** [2648]. **Feliciano** [3450]. **Fellows** [811]. **Femto** [3516]. **Femto-world** [3516]. **Femtosecond** [2233, 2924]. **Fereira** [2409]. **Fermi** [4003, 3810, 1057, 4309, 1143, 1855, 4341, 161, 174, 182, 190, 200, 2674]. **Fermilab** [2356]. **Fermion** [1817, 1333]. **Fernández** [2737, 3706]. **Fernando** [2648]. **ferrite** [782]. **Ferroelasticity** [1897]. **Ferromagnetic** [1459, 2522, 484]. **ferromagnetism** [1578]. **Ferruccio** [3584]. **Ferry** [3451]. **Festschrift** [1057, 2787]. **Few** [1863, 2034]. **Feynman** [2350, 2864, 1833, 1872, 4338, 2583, 4047]. **fi** [1243]. **Fiber** [1191, 2719, 3740]. **Fiber-Optic** [1191]. **Fibers** [2725]. **fibre** [1820, 4126, 1438, 3745, 3862]. **Fibre-optic** [3862]. **Fibrous** [544]. **fiction** [2452, 3841]. **Field** [2346, 3079, 2290, 2715, 2490, 2801, 2999, 2687, 2524, 3345, 3189, 2587, 2622, 3125, 2681, 2875, 3316, 2546, 2349, 2422, 557, 2369, 2666, 1844, 1263, 2264, 2221, 1424, 113, 3539, 3491, 3899, 3911, 4035, 3791, 3914, 4177, 2382, 3585, 3159, 684, 1212, 403, 2394, 1697, 2366, 3884, 4002, 4044, 4141, 4050, 1700, 3511, 2263, 3819, 1566, 165, 3879, 3880, 1467, 240, 3225, 3672, 597, 2453, 1483, 2469, 1213, 3124, 2757, 2824, 2291]. **Field-ion** [557]. **field-theoretical** [3884]. **Fields** [554, 2524, 2744, 826, 3176, 4018, 4061, 1657, 1791, 1582, 445, 1686, 4041, 4029, 2519, 1768, 272, 429, 4075, 61, 651, 4116, 1691, 2949, 2525, 2443, 3217, 3763, 3999, 3669, 3736, 3944]. **Fifth** [3257, 2206, 1504]. **Fifty** [2850, 3885]. **Fight** [2980]. **Figueroa** [3370]. **Figures** [3083, 4140, 4139, 3083]. **Fijiwara** [2657]. **Filippenko** [3215]. **Filippo** [3004, 4146]. **Filling** [204, 210]. **Film** [633, 3028, 313, 1886, 241, 2828]. **Films** [279, 1441, 1457, 515, 1666, 1503, 484, 1202, 1511, 3105]. **Filomena** [2566]. **filter** [1788]. **filters** [62, 2828]. **final** [2765, 1603, 2396, 2300]. **final-year** [2765]. **finance** [1965, 2521, 3256, 3768, 3899]. **financial** [3252]. **find** [3698, 2235]. **Finding** [4037, 2435]. **Fine** [2680, 2753, 393]. **Fine-Tuning** [2753]. **finely** [3695, 4328]. **finely-tuned** [4328]. **Fingerprinting** [1811]. **fingerprints** [2171]. **Finitary** [2634]. **Finite** [4008, 2330, 1467, 2580, 1317]. **Finite-temperature** [1467]. **Finland** [834]. **Finn** [3901]. **Finzi** [4115, 2380].

fire' [4027]. **fireworks** [1799, 3956]. **firmament** [1084]. **First** [4298, 4299, 2870, 3875, 4213, 3081, 2980, 3369, 2365, 2748, 3299, 2126, 3239, 2559, 3020, 3909, 1137, 3974, 1217, 1225, 3692, 1026, 2329, 3193, 3797, 4294, 3335, 2300, 3428, 2571, 2460, 1642, 4033, 1464, 3680, 4342, 3886, 3135, 2825]. **first-year** [3335]. **Fischer** [3015, 3528]. **Fischer-Cripps** [3528]. **fisherman** [2735]. **Fisk** [2858]. **Fitzpatrick** [3199, 3000, 3734, 3556]. **Five** [3020, 1131, 1254, 4121]. **fix** [2549, 1694]. **fixes** [1624]. **FL** [4259, 4269, 4270, 4294, 4267]. **FL/Abingdon** [4259]. **flagellar** [2304]. **flames** [817]. **Flamini** [4031]. **Flaser** [4042]. **Flash** [273]. **Flat** [2668]. **Flat-Screen** [2668]. **Fleisch** [4105, 2944]. **Flewitt** [3809]. **flexible** [4251, 4250]. **Flight** [3641, 517, 1164, 283, 2889]. **flights** [2763]. **Flood** [3281]. **floor** [482, 743, 493]. **floppy** [2079]. **Flow** [2079, 2500, 3402, 1852, 2406, 1737, 2941, 3429, 2513, 3147]. **Flower** [3201]. **flowing** [240, 2213, 736]. **Flows** [2340, 2441, 2934, 1466, 1472, 1328]. **Fluctuating** [3024]. **Fluctuation** [3301, 3639, 2466]. **Fluctuations** [2715, 2466, 3250, 913, 1697, 1387, 4000]. **Fluid** [3025, 3233, 3366, 3213, 2997, 3172, 2500, 2513, 2976, 3741, 595, 4231, 1457, 4190, 3980, 952, 1328, 3867, 4168, 2790, 2333, 3366, 3604, 2934]. **Fluidics** [551]. **Fluids** [2883, 516, 861, 3864, 3716]. **Fluorescence** [2624, 2032, 4051, 3608, 4169, 1028, 2173]. **fluoroscopy** [1316]. **flux** [3957]. **Flying** [3328, 1998]. **Foa** [4081, 3265]. **Foams** [4350, 2041]. **Fock** [3558]. **Focused** [3059, 4199]. **Foden** [2452]. **Foe** [3426]. **foils** [217]. **folding** [2189]. **following** [114]. **Fomin** [4044]. **Foner** [848]. **Fong** [3299]. **food** [1842]. **Force** [4313, 3453, 2834, 113, 3563, 4280, 165]. **forces** [993, 718, 1579, 1378, 3360, 579, 3097, 4018, 3962, 3703]. **Ford** [3524]. **forecasting** [572, 952]. **forecasts** [1082]. **forefront** [2303]. **Foreign** [1133, 1529]. **Foreword** [1, 409, 3473]. **Forgan** [4003]. **forger** [2405]. **forgetting** [1943]. **forgotten** [1937]. **Forinash** [2722]. **Form** [2748, 1487, 775]. **Formaggio** [3754]. **format=PB** [4211]. **Formation** [1435, 2476, 2839, 2501, 3443, 3348, 3602, 1622, 1782, 2122, 4146, 1529, 4114, 610, 2068, 3360, 1073, 4353, 3993, 2709, 2467, 4033]. **formative** [3987]. **formed** [530]. **forming** [999, 1008, 3860, 3202]. **Formulation** [2241, 3402, 322, 4218]. **Forterre** [3213]. **Fortov** [2652, 3276]. **Fortson** [4256]. **fortunate** [3695, 4328]. **Fortunato** [3282]. **forward** [249]. **Foster** [3806]. **Fotakis** [2803]. **Foundation** [3473, 2358, 3824, 3160, 42, 3715, 3193]. **Foundational** [2816]. **Foundations** [17, 28, 1437, 2911, 3038, 2617, 875, 3205, 2746, 3210, 3125, 3498, 3559, 4284, 3587, 4007, 2455, 2615, 3144, 2937, 3733, 3365, 2984, 4209, 3190, 3754, 3562, 2415, 2722, 2831, 3934]. **Four** [2622, 3550, 4274]. **four-dimensional** [3550]. **Fourier** [2543, 1489, 745, 3582]. **Fourier-transform** [745]. **Fourth** [3494, 3162, 3216, 3509, 4295, 3597, 144]. **Fox** [3459, 2667, 3748, 3312]. **fractal** [1357]. **fractality** [3554, 3497]. **Fractals** [4301, 2039, 2416, 3497, 3749, 3896]. **fractional** [2195, 2754, 3922, 3347, 3866]. **Fracture** [444, 587, 2925]. **Fradkin** [3124]. **Frames** [2727]. **framework** [3791]. **Franca** [3659]. **Francesco**

[4210, 2833, 3339]. **Francis** [4296, 4294, 4297, 3615, 4257, 4283, 4267]. **Francisco** [3179]. **Franck** [4005, 3034]. **Franco** [3125, 3119]. **Francois** [3487]. **Francoise** [2527, 2596]. **Frank** [4025, 2612, 3128, 3182, 3208, 2877, 3483, 2952, 2632, 2650, 2255]. **Frankel** [3078, 2868]. **Franklin** [4035, 3607, 3181, 2713]. **Frans** [2534]. **Fraser** [2870, 2460]. **Fraternali** [4146]. **Fraud** [2548]. **Fred** [2796]. **Frederico** [3122]. **Free** [2866, 1967, 1650, 1265, 4217, 566, 2642, 971, 2272, 3746, 2340]. **free-electron** [971, 2272]. **Freegarde** [3107]. **Freeman** [4038, 3412, 3551]. **Freericks** [3672]. **Freezing** [2872, 2287]. **Freidberg** [2293, 3519]. **French** [2474, 442]. **frequencies** [353, 1956]. **Frequency** [2038, 3207, 2920, 191, 395, 2087, 2327]. **Frequentism** [2959]. **Freudenberg** [2945]. **Friction** [624, 2114, 3780, 92, 320, 6, 3939]. **Friday** [50]. **Friedman** [2829]. **Friedrich** [3126]. **Friedwardt** [2928]. **Friend** [3426]. **friendship** [4117]. **Frisch** [2245]. **Frishman** [2622]. **Fritzsch** [2864]. **frogs** [3551]. **Fröhlich** [2368]. **Frolov** [3576, 2914]. **Front** [2548]. **Frontier** [2356, 2471, 3570]. **Frontiers** [2519, 2283, 2704, 3784, 2617]. **fronts** [90]. **Frostig** [2470]. **froth** [2041]. **frustrated** [2283, 3209]. **FSO** [3746]. **Fu** [3629]. **Fuel** [1797]. **Fuels** [2849]. **Fujii** [4150]. **Fujimoto** [4281, 3404]. **Fujita** [3501]. **Fukata** [4220]. **Fulde** [3029]. **full** [1882]. **Fullerene** [1738]. **Funaro** [4106]. **Function** [2470, 3832, 3819, 2030, 1793, 2266, 3811, 2265]. **Functional** [2965, 3450, 4273, 3853, 4314, 3954, 4242, 4236, 2795, 2301, 3264]. **functions** [4154, 831, 458, 2427, 2632]. **Fundamental** [3470, 2727, 2141, 1767, 3381, 3431, 3305, 2874, 2608, 2669, 3719, 2339, 4277, 4191, 632, 2038, 3292, 2087, 3739, 4317, 3801, 3220, 2554, 4229, 3470, 3238, 4220, 3714]. **Fundamentals** [459, 2791, 3626, 3323, 2979, 2333, 3141, 2938, 3706, 4026, 1475, 4158, 3531, 2098, 3657, 3786, 3025, 3796, 3011, 3580, 2341, 2792, 3617, 2567, 2816, 3608, 2464, 3307, 3718, 3893, 4266, 3362, 2956, 3069, 2704]. **funded** [3776]. **Furlanetto** [3081]. **furnaces** [224]. **Furst** [3813, 4258]. **Further** [2506]. **Fusion** [2293, 1069, 2050, 2064, 961, 2009, 498, 1114, 1651, 3642, 3824, 2129, 193, 3416, 867, 2027, 719, 853, 1479, 2045, 2231, 1825, 3850, 2646, 3578, 3099, 2646]. **Future** [3241, 567, 1811, 2599, 3333, 3468, 1974, 1674, 4254, 2012, 1903, 639, 891, 2384, 1302, 1183, 4262, 654, 4340, 4095, 4265, 3904, 3702, 2031, 3876, 2453]. **Fuxi** [3441]. **Fuxiang** [3108, 2987].

G [3766, 3711, 4060, 2883, 3741, 4010, 2297, 3509, 2527, 2596, 4038, 2375, 4296, 3716, 2955, 3695, 1040, 3023, 3652, 2626, 3648, 3040, 2294, 2366, 3407, 3771, 3113, 2993, 3074, 3627, 3752, 3787, 4187, 2783, 3381, 2898, 3235, 2343, 2808, 3210, 2299, 2692, 2881, 3486, 3231, 2729, 2903, 3090, 3019, 3749, 3718, 2835, 2924, 3682, 4170, 2854, 2846, 3183, 3613, 2546, 3690, 2419, 4070, 4199, 2620, 3148, 3567, 3674, 3814, 3555, 2530, 2409, 2368, 2423, 2417, 2488, 2265, 2253, 2599, 2373, 2590, 2663, 2721, 3001, 2969, 3684, 3792, 4207, 2319, 2344]. **G.** [1497]. **Gábor** [3247]. **Gabriel** [3539, 2765]. **Gabrielli** [4160]. **Gagnon**

[3731]. **Gaia** [4160, 3781]. **Gail** [3309, 3713]. **Gain** [2820]. **Gaisser** [3667]. **Galactic** [1416, 3266, 3094, 2780, 3479, 2732]. **Galaxies** [3081, 3436, 4361, 4362, 2748, 3348, 1836, 1847, 2305, 1714, 3860, 2552, 3377, 2651, 2552, 2938, 2450, 4146, 3861, 2434]. **Galaxy** [2467, 1059, 4146, 3781]. **Galileo** [1265, 2134, 3931, 2968]. **Galina** [4058]. **Galison** [3945]. **Galitski** [3114]. **Gallager** [3486]. **galleries** [770]. **Galtier** [3671]. **Gamaly** [2924]. **gambling** [2088]. **game** [1744, 3463]. **games** [2088]. **Gamma** [1551, 2597, 2688, 2929, 3039, 2070, 2813, 4107, 3057]. **Gamma-Ray** [2688, 3039, 1551, 2070, 4107, 3057]. **Gamow** [2908]. **Gan** [3441]. **Ganeev** [3298]. **Gangopadhyaya** [2947]. **Gao** [3811, 3633]. **gap** [204, 210, 679]. **Gaponenko** [2563]. **Garcia** [3194, 2314]. **Garcia-Martinez** [3194]. **Garfinkle** [2318, 2318]. **Garg** [2978]. **Garibaldi** [2634]. **garnet** [791]. **garnets** [438]. **Garnett** [3275]. **Garnier** [2517]. **GARP** [789]. **Garrison** [3522]. **Garry** [3099]. **Garston** [168, 264]. **Gary** [2613]. **Gas** [3348, 1204, 1217, 3573, 880, 838, 4146, 550, 2219, 3761]. **gas-phase** [1204]. **Gaseous** [3204, 1981]. **Gases** [2580, 2846, 2807, 1379, 472, 659, 578, 657, 1703, 593, 510, 2436, 4068]. **Gaston** [2528]. **Gastone** [3375]. **Gaudin** [3346]. **gauge** [2193, 1241, 1247, 3518, 4138, 2961, 4085, 1488, 1138, 4075, 1282, 3498, 3509, 3126, 3216]. **gauge-gravity** [2961]. **Gauge/gravity** [3498]. **Gauntlett** [3305]. **Gauss** [239]. **Gaussian** [3515]. **Gautam** [4159]. **Gavrilenko** [2800]. **gb** [4211]. **Gbur** [3682]. **Ge** [4024, 3030, 3681]. **geese** [2772]. **gelatin** [1386]. **gelation** [1430]. **Geller** [4294]. **gels** [1386]. **General** [2911, 3150, 3043, 2713, 1631, 3473, 3461, 2938, 2718, 3191, 4120, 4106, 2312, 3318, 3393, 3111, 4057, 2462, 2661, 4211, 4286, 2772, 2809, 2989, 3295, 4082, 4241, 4275, 2491, 2527, 2851, 2843, 3107, 2439, 2403, 2334, 2411, 2585, 2311, 2356, 2471, 2679, 2495, 2658, 2600, 2565, 2564, 2498, 2857, 2870, 2742, 2707, 2904, 2770, 3056, 3229, 3167, 3195, 3403, 3406, 3462, 3425, 3692, 3955, 4073, 2509, 3349, 3137, 4113, 2977, 3035, 1026, 3442, 2672, 3322, 2673, 2853, 3104, 3488, 4240, 2764, 3102, 3226, 3308, 3444, 2504, 3152, 3139, 3192, 3302, 3502, 4155, 2906, 4291, 4285, 2392, 3004, 3009]. **general** [2684, 1686, 3177, 4156, 4274, 2302, 2542, 2726, 3268, 3219, 3400, 3394, 3478, 3427, 3436, 3456, 3477, 3455, 3459, 2289, 2318, 2402, 2452, 2519, 2548, 2506, 2668, 2675, 2849, 2886, 3131, 3088, 2980, 3120, 3254, 3224, 3262, 3253, 3244, 3196, 3375, 3335, 3405, 3381, 3270, 3312, 3453, 2397, 2612, 3135, 2562, 3121, 3363, 3128, 3018, 3274, 3202, 2714, 3354, 2473, 2430, 2691, 3345, 3415, 3445, 4186, 2371, 2435, 3100, 2367, 2379, 2644, 2493, 2863, 3263, 3283, 3423, 3487, 2299, 2505, 2916, 2881, 2929, 2933, 2864, 3078, 4115, 4117, 2466, 2899, 3428, 2753, 2427, 3084, 3031, 3351, 3234, 3299, 3926]. **general** [3271, 2811, 3756, 2694, 2796, 3006, 2908, 3276, 2877, 2434, 2449, 2778, 3106, 4223, 4218, 3066, 3002, 4036, 2380, 2854, 2520, 2513, 3239, 2695, 2833, 4208, 2717, 2149, 2496, 2608, 2814, 2895, 3197, 3225, 2331, 3441, 4065, 4064, 2532, 2582, 2589, 2588, 2913, 3048, 3151, 3149, 3281, 4086, 4171, 3286, 2982, 2417, 2645, 2558, 3136, 2789, 2321, 4109, 2986, 2599, 2934, 2871, 2957, 2827, 2970,

3134, 3001, 3020, 3085, 3129, 3042, 3215, 3284, 3379, 3443, 4233, 2534, 2456, 4258, 3300, 2917, 2964, 3378, 3355, 2420, 2650, 2610, 2768, 3164, 4256, 2990, 2988, 4059, 4196, 4182, 3508]. **Generalised** [2281, 3165, 2362, 3165]. **generalized** [3562]. **generally** [2343]. **generalreaders** [2968, 2986]. **generated** [423]. **Generating** [3789]. **Generation** [2094, 3298, 2725, 107, 1768, 3174, 3590]. **generator** [73]. **generators** [522]. **genesis** [3224]. **Genetic** [1729, 2604, 3640]. **genetics** [1988]. **genie** [1723]. **genius** [1937, 2896]. **Gennaro** [3282]. **Genne** [2527, 2596]. **Gennes** [2977]. **geochemistry** [3766]. **geodesy** [337]. **Geodynamics** [3588]. **geodynamo** [1787]. **Geoff** [3805]. **Geoffrey** [2529, 4269, 2752]. **geography** [4015]. **Geological** [1547, 3705, 4090, 2500]. **geology** [672, 4015]. **geomagnetic** [684]. **Geomagnetism** [3085]. **Geometric** [1278, 3900, 3894, 3189]. **geometrical** [3953, 3470, 3661, 2385]. **geometrisation** [2481]. **Geometry** [2868, 2856, 2540, 2550, 2894, 4271, 3264, 3540, 4036]. **Geophysical** [3025, 482, 2976, 4, 102, 879, 3867]. **geophysicists** [2472]. **geophysics** [1766, 3595]. **Georg** [2840, 3398]. **George** [796, 291, 2984, 3637, 2765, 3421, 3049, 3234, 3243, 2908, 2832, 2637, 4030]. **Georgiou** [2803]. **Geosciences** [2472]. **geospace** [3787]. **geosphere** [3597]. **Gerace** [3659]. **Gerald** [3945, 3264]. **Gerard** [3196, 2397, 3379, 3217]. **Gerini** [3490]. **German** [9, 3473, 2018]. **germanium** [1007]. **Germany** [4295]. **Geroch** [2499]. **Gerrard** [3488]. **Gerry** [3056]. **Gertsman** [3596]. **Get** [3776]. **Getting** [2420]. **GeV** [437]. **Ghione** [2538]. **Ghirardi** [4154]. **ghost** [2699, 1691]. **GianCarlo** [4154]. **Gianfranco** [3197, 2630]. **Giani** [2881]. **giant** [1515]. **Giardina** [3735, 3269]. **Gibbons** [2599]. **Gibson** [2347]. **Gifted** [3345]. **Gilbert** [2686]. **Giles** [2452]. **Gilles** [2977]. **Gillespie** [3186]. **Gillet** [4095, 4265]. **Gilli** [3375, 3375]. **Gingerich** [3651, 2682]. **Ginoux** [3490]. **Ginzburg** [2730, 2324]. **Giordano** [3179]. **Giorgio** [4210, 2954, 3282]. **Giosuè** [2884]. **Giovanni** [2679, 2538, 2526, 3634, 2741]. **girl** [231]. **Girvin** [4001]. **Gitterman** [3280, 2331, 2951]. **Giuggioli** [4219]. **Giuliani** [2375]. **Giulio** [3002]. **Giuseppe** [3377]. **Giustino** [3450]. **Glasgow** [766, 76]. **Glass** [3254, 3202, 558, 999, 1008, 24, 346, 860, 1028, 530]. **Glass-forming** [3202, 999, 1008]. **Glasses** [3002, 991, 4210, 990, 1364, 1106, 558, 559, 3269]. **Glassy** [1893, 564]. **Glazer** [4253, 3599]. **Gliding** [2851]. **global** [1699, 1595]. **Glover** [3054]. **glow** [3662]. **Gluck** [3529]. **Glueballs** [1765]. **Gluon** [2756, 2313, 1189]. **gluons** [3778]. **GmbH** [4022]. **go** [2146, 2549, 1506]. **goals** [3618, 1600]. **God** [2564, 2933, 2986, 3521]. **Gödel** [3220]. **goes** [3774, 2893, 2023]. **Goethe** [3575]. **Goff** [2582]. **going** [1960]. **goings** [1132]. **Goins** [2720]. **Gold** [2851, 2582]. **Goldberg** [3769]. **Goldsmith** [4016]. **golf** [1667]. **Gołkowski** [2967]. **Golowich** [3430]. **Golub** [3400]. **Golubovic** [2740]. **Gómez** [4032, 2387]. **Gómez-Elvira** [2387]. **Gómez-Pedrero** [4032]. **Goncalves** [3628]. **Gonnet** [2528]. **Gonzalez** [2365, 2769, 4170]. **González-Acuña** [4170]. **Gonzalo** [3300, 2964]. **good** [662, 1412, 2520]. **Goodchild** [1092]. **Goodson** [3749]. **Goodstein** [2548, 2922]. **Goody** [3468]. **Gorbunov** [2815]. **Gordon** [2926, 2870, 2460, 3731, 4233, 2154].

Goriely [2760]. **Goringe** [1131]. **Gösta** [2082]. **Got** [3262, 2019]. **Gott** [3650]. **Gottvald** [4030]. **Götze** [3202]. **Gould** [2625, 4282]. **Governing** [2874]. **government** [324, 792]. **Govind** [2597, 2820]. **Govindjee** [4178]. **Gradient** [3373]. **gradiometry** [4234]. **Graduate** [3142, 2659, 2485, 2375, 3491, 4273, 2425, 2868, 2411, 2311, 2350, 2490, 3738, 4209, 2749, 2842, 2352, 2341, 2342, 2421, 2563, 2301, 2294, 4259, 4269, 4281, 4295, 2366, 2567, 3438, 2597, 2489, 2566, 2609, 2528, 2816, 2706, 2918, 3013, 2396, 3492, 2365, 2817, 2438, 3454, 2497, 2309, 2465, 2464, 2671, 2584, 2455, 2499, 2512, 2681, 2713, 2744, 2875, 2729, 2824, 2821, 2818, 2972, 3045, 3019, 2467, 2472, 2487, 4079, 4169, 4170, 4234, 2580, 2825, 2909, 3183, 2441, 2440, 2500, 2418, 2416, 2419, 2510, 2511, 2833, 2711, 2745, 3064, 2895, 3228, 2377, 2331, 2568, 2859, 2982, 2298, 2401, 2370]. **graduate** [2369, 2503, 2488, 2444, 2683, 2831, 2291, 2470, 2885, 2345, 2704, 4158]. **graduates** [2993, 2355, 2647, 3216, 2903]. **Grady** [3648]. **Grae** [2513]. **Graf** [4295, 2368]. **Graham** [2684, 4040, 3016, 596, 3615]. **Graham-Smith** [4040, 3016, 3615]. **Graining** [2351]. **grains** [1571]. **grammar** [117, 231]. **Granada** [169]. **Grand** [2658, 1305, 3021, 3502, 4155, 1957, 3989]. **Grandy** [2994]. **Grant** [2680]. **grants** [29, 99]. **Granular** [3002, 2219, 2059, 3607, 3213]. **Graphene** [2838, 3894, 3265, 2573, 3628, 3501, 4081, 3358, 3819, 2271, 3101, 4130, 3279, 2902, 3941]. **Graphene-Based** [3265, 4081]. **Graphene-Related** [3894]. **graphic** [4258]. **Graphs** [2808, 3789]. **gratings** [471]. **gravitas** [2104]. **Gravitation** [2911, 3126, 1013, 4330, 4331, 4332, 2611, 1906, 469, 1334, 3508, 1219, 2693, 2617, 3437, 3846, 3153]. **Gravitational** [646, 977, 645, 2250, 1760, 1550, 1415, 2023, 3546, 998, 3291, 1356, 3858, 4101, 1812, 3893, 2069, 4064, 3792, 3916, 3709, 3854, 2249]. **Gravity** [2481, 4313, 3093, 3453, 2340, 2716, 3155, 3191, 243, 3774, 2193, 1250, 430, 819, 1777, 2731, 1707, 2961, 3954, 4085, 4108, 4141, 4230, 843, 978, 4280, 1262, 597, 2454, 3802, 3778, 2425, 2939, 2984, 3190, 2431, 2524, 2716, 2714, 2298, 4043, 3477, 3757, 4234, 4064, 3498, 3948]. **gravity-induced** [597]. **Gray** [2883, 2468, 3577]. **Greanya** [3496]. **Great** [2778, 2558, 614, 662, 4222, 3751]. **greatest** [1916]. **Greco** [4138]. **Greek** [3763, 2887]. **Green** [3553, 3819, 2647, 3691, 3314, 458]. **Greenberg** [3656]. **greenhouse** [1450, 1703]. **Greenstein** [3243]. **Greenwich** [793]. **Greer** [2463]. **Gregersen** [3425, 3483]. **Gregor** [2652, 3276]. **Gregory** [2790, 2623]. **Grémaud** [2846]. **grenades** [2128]. **Gribbin** [2434]. **Gribov** [2822]. **Gribov-80** [2822]. **Grier** [4054]. **Griffin** [2580]. **Griffiths** [4066, 2718, 1459, 3121]. **Grigory** [3233]. **Grijs** [2780]. **Grimmett** [2808]. **Gripaios** [4211]. **Grissom** [2867]. **Gronchi** [2526]. **Gross** [3133]. **Grossmann** [3924]. **Ground** [844, 604, 3027]. **Ground-based** [604]. **Group** [4296, 4306, 3930, 4257, 4283, 4294, 3424, 3310, 4297, 2758, 2398, 4267, 3758, 3954, 37, 3073, 3625, 4056, 3960, 3959, 4167, 2631]. **Group-Theoretical** [2398]. **Groups** [3382, 446, 1575, 4008, 3409]. **Groves** [3699]. **grow** [4276]. **Growth** [4320, 4325, 1562, 1430, 141, 584, 848, 4241, 1622, 1782, 3626, 1503,

1341, 346, 2982]. **growth-point** [584]. **Grynberg** [2686]. **Grzegorczyk** [2394]. **Gubbels** [2525]. **Gubbins** [2883]. **Guéry** [2921]. **Guéry-Odelin** [2921]. **Guest** [1232, 2444]. **Guichun** [3649]. **Guide** [2509, 3150, 3105, 2944, 3258, 2635, 4326, 2680, 2807, 2957, 2610, 3164, 3806, 3776, 4120, 4078, 4060, 3868, 3946, 3830, 3458, 2851, 2843, 3955, 4123, 1059, 1510, 1535, 2337, 3961, 2779, 1229, 3793, 3343, 3496, 2302, 3478, 3708, 3577, 3936, 4105, 4187, 3018, 4292, 3415, 2299, 2899, 3756, 4218, 2624, 2834, 2880, 3991, 1015, 4070, 3138, 3870, 2987, 3397, 4258, 1588, 2420, 161, 174, 182, 190, 200, 2989, 3076, 3192, 2299, 3127, 2546, 2848, 3804, 3979, 4142, 3959]. **guidebook** [3478, 3724]. **Guided** [2567, 3138, 3929]. **Guided-Wave** [2567]. **Guiding** [2341]. **Guido** [3935]. **Guillaume** [3788]. **Guitar** [2474]. **Gulbenkian** [42]. **Gun** [3262]. **Gunapala** [2775]. **Gunn** [4098]. **Gunnar** [3070]. **Guo** [3649]. **Guozhen** [4250]. **Gupta** [3540]. **Gurfil** [3685]. **Gutfreund** [3473]. **Guyon** [3500]. **Guzik** [3506]. **Gyaneshwar** [4259]. **gyromagnetic** [115]. **Gyroscopes** [340].

H [3806, 2463, 4286, 2414, 1459, 1191, 2296, 440, 2828, 3203, 2830, 2858, 2727, 3261, 3412, 1040, 2257, 1083, 2708, 2838, 2988, 3524, 3652, 4072, 4222, 3407, 2601, 4024, 3113, 3553, 3436, 3459, 3705, 3816, 3804, 4042, 4003, 2528, 2372, 2898, 3592, 2539, 2525, 3187, 3717, 2355, 2950, 3246, 2940, 3432, 3049, 3234, 2729, 2818, 2903, 2664, 2295, 2332, 3209, 3094, 3634, 4053, 2393, 2436, 2391, 2782, 3745, 2442, 2530, 2952, 2409, 2451, 3178, 2373, 2663, 2484, 3484, 3675, 3722, 2637, 3761, 2344, 44, 1642]. **H.-S** [2838]. **H.M.S.O** [834]. **Habitability** [2476, 3897, 3238]. **Habitable** [4348, 3134, 3869]. **Habitat** [3958]. **Hackensack** [4132, 4167]. **Hadron** [2471, 3403, 3442, 2542, 3173, 2183, 3465, 3731, 3594, 1488]. **Hadronic** [2366]. **hadrons** [722, 2229]. **Hagai** [4217, 3266]. **Hagar** [3431]. **Haija** [3315]. **Haken** [3095]. **Hale** [3435]. **Half** [4289, 1137, 3828, 3797, 2278]. **half-century** [1137, 3828]. **Half-cycle** [4289]. **Halide** [4246, 1271]. **halides** [991]. **Hall** [2437, 2422, 1728, 759]. **Hamiltonian** [2950, 3932]. **Hamiltonians** [3527]. **Hamm** [2696]. **Hammond** [3494]. **Han** [4068, 3318, 3609, 3108, 2987]. **Hancock** [3653]. **Handbook** [3091, 3083, 3407, 2372, 3312, 2632, 4078, 4060, 3395, 4202, 2527, 2830, 3748, 3035, 3353, 2790, 2494, 2791, 2841, 4187, 2724, 3050, 4165, 2623, 2505, 3208, 3768, 2671, 2973, 3246, 3367, 2518, 3232, 3486, 3653, 3231, 4201, 2837, 2834, 2876, 4169, 4170, 2511, 2725, 4266, 2568, 3440, 3481, 3505, 2492, 2388, 2590, 3484, 2769, 4267, 3035, 3207, 3440, 3771, 3910, 3614, 3803, 2830, 2673, 3353, 3889, 2841, 3626, 3823, 3208, 2671, 2973, 3246, 3145, 31, 3607, 2627, 3481, 2388, 2590, 3484, 2919, 3849]. **handbook/reference** [2388]. **handbook/textbook** [2568]. **Handed** [2300]. **Handfield** [2957]. **handle** [1378]. **Hands** [2899]. **Hands-On** [2899]. **Hanel** [4017]. **Hanoch** [3473]. **Hans** [3241, 2865, 4295, 3309, 3437, 3232, 3272, 3611, 3153, 4185]. **Hans-Jürgen** [4295]. **Hans-Peter** [3309]. **Hao** [3681, 3996]. **Haphazard** [1180]. **Happer** [2783]. **Harald** [2995, 2864, 2510]. **hard** [2962]. **Hardback**

[4138, 4052, 4068, 3459, 4117, 4158, 4121, 4253, 4174, 4078, 4060, 4106, 4010, 4057, 4062, 4110, 4137, 4225, 4082, 4241, 4217, 4284, 4232, 4268, 4135, 4140, 4038, 4000, 4032, 4009, 4056, 4055, 4035, 4231, 4005, 4045, 4018, 4028, 4123, 4069, 4177, 4221, 4100, 4061, 2057, 4240, 3102, 4030, 4248, 4251, 4173, 4026, 4072, 4178, 4198, 2191, 4163, 4252, 4006, 4021, 4081, 4156, 4130, 4162, 4222, 4259, 4269, 4281, 4270, 4274, 4002, 4001, 4043, 4041, 3999, 4044, 4008, 4108, 4119, 4098, 4141, 4242, 4250, 4031, 4037, 4047, 3993, 4040, 3994, 4048, 3957, 4042, 4003, 4015, 4091, 4146, 3998, 4165]. **hardback** [3421, 4107, 4157, 4007, 4017, 4114, 4159, 4161, 4099, 4093, 4200, 4164, 4019, 4282, 4131, 4197, 4201, 4223, 4244, 4249, 4020, 4036, 4083, 4080, 3996, 3995, 4071, 4129, 4255, 4208, 4188, 4219, 4276, 4066, 4077, 4166, 4199, 4260, 3337, 4096, 4094, 4064, 4063, 4092, 4147, 4109, 4004, 4039, 3956, 4033, 3997, 4058, 4116, 4067, 4172, 4136, 4215, 4233, 2041, 4256, 4267]. **hardcover** [4120, 4210, 4273, 4271, 4154, 4027, 4029, 3423, 4234, 4290, 4023, 4207, 4168]. **hardening** [873]. **hardness** [873]. **Hardy** [2373]. **Hargittai** [3724, 2600, 2849, 3724]. **Hari** [3526]. **Harmonic** [3298]. **harmony** [2206]. **Harold** [2335, 4294, 3597, 3598]. **Harper** [3093]. **Harrie** [1205]. **Harris** [3094, 2449]. **Harrison** [4132, 1100]. **Harry** [2613]. **Hartle** [4196]. **Hartnett** [4150]. **Hartog** [3745]. **harvesting** [2733]. **Harvey** [2625, 4282, 2974]. **Harwell** [159, 206, 1029, 241]. **Harwit** [4143, 4065]. **Hassani** [2552]. **Hatsuda** [2313]. **Haupt** [3333]. **Hauptman** [2662]. **Haur** [2773]. **Haus** [3796, 2717]. **Haven** [3306]. **Havlicek** [2370]. **Hawkes** [4224]. **Hawking** [4117, 2599, 2731, 2249]. **Hayward** [3273]. **Haywood** [2758]. **hazard** [1067, 850]. **hazards** [1068]. **hbk** [4293, 4156, 4203, 4281]. **Heacox** [3620]. **Healey** [3759]. **health** [1596]. **Hear** [3042, 3042]. **hearing** [421, 1627]. **Hearnshaw** [2504]. **Heart** [3206, 2083, 2086]. **Heat** [677, 3068, 1342, 3250, 1049, 3760, 4111]. **Heather** [4201]. **heats** [935]. **Heaven** [2742]. **heavens** [3478]. **Heavy** [1333, 1069, 1130, 1069]. **Heavy-fermion** [1333]. **Hecht** [3036]. **Héctor** [4170]. **Heever** [2663]. **Hehl** [3126]. **Heidarzadeh** [2353]. **heights** [604]. **Heikkilä** [3301]. **Heilbron** [4073, 2968]. **Heinemann** [3246]. **Heinosaari** [2935]. **Heinz** [2840]. **Heisenberg** [3497, 2864, 2018, 2677]. **held** [834]. **Helge** [2658, 3502, 3048]. **Heliophysics** [2993, 3891, 2721]. **Helios** [1029]. **Helium** [462, 595, 1332, 2423, 1680, 2128, 2573, 723, 1172, 724, 1532, 2277]. **helium-3** [723]. **Heller** [3042]. **Helliwell** [4129]. **Helmut** [2522, 3510]. **Helrich** [2502]. **Hemley** [2472]. **Henchman** [3472]. **Hendry** [2839]. **Heng** [3733]. **Henley** [3171, 2314]. **Henneaux** [3133]. **Henneberger** [2421, 2946]. **Henri** [2861, 3490]. **Henrik** [3425]. **Henry** [3078]. **Hepp** [2368]. **her** [2261, 1235, 2262]. **Herbert** [1092]. **Here** [2430, 1506, 2019]. **Heritage** [2803, 2211, 4065, 2590]. **Hermann** [3095, 4158]. **Hermitian** [2759]. **Hernandez** [3370]. **Hernandez-Figueroa** [3370]. **Heroic** [4335, 3857]. **Herold** [2991]. **Herrmann** [4185, 2754, 3347]. **Herschel** [3192]. **Heterogeneities** [3002]. **heterogeneous** [999, 1008]. **Heusler** [536]. **hexagonal** [782]. **Hexatic** [1441]. **Hey** [3509, 3216]. **Hidden**

[3254, 3226, 3386]. **Hide** [3163]. **Hideaki** [2657]. **Hideo** [2472]. **Higgs** [3318, 3403, 3609, 3128, 3731, 3197, 3225, 3129, 2810, 3390, 2183, 3465, 2986]. **High** [145, 171, 3350, 2926, 3073, 652, 416, 554, 2662, 1580, 1176, 1769, 2999, 3321, 3824, 2538, 434, 1560, 1494, 352, 429, 1120, 2415, 4223, 3594, 3593, 1146, 1213, 2220, 375, 1007, 523, 1501, 680, 191, 476, 1012, 517, 2217, 3570, 3784, 477, 1543, 208, 1020, 707, 463, 764, 3861, 4283, 657, 960, 4117, 1076, 1203, 160, 854, 1716, 833, 1075, 137, 142, 1363, 2831, 2447, 3298, 2597, 4283, 2738, 3012]. **High-Energy** [2415, 3570, 1716]. **High-energy-density** [3824]. **high-level** [1501]. **high-N00N** [2217]. **High-order** [3298]. **High-Pressure** [4223, 3012]. **High-Speed** [2538, 652, 1176, 1012]. **High-temperature** [1769, 1007, 1543, 208]. **high-voltage** [476]. **higher** [4029, 2658, 3502]. **highest** [2000]. **highly** [980, 1428]. **Hilairy** [4150]. **Hilbert** [2357, 2370, 2492]. **Hill** [89, 277, 3660, 2691]. **Hillery** [3368]. **Hinode** [3886]. **Hirakata** [2925]. **Hirishi** [2657]. **Hiroaki** [4173]. **Hirose** [3439]. **Hiroyuki** [3544, 2925]. **Hirschfelder** [1092]. **Hirshfeld** [2953]. **Hisashi** [3404]. **historian** [4113]. **historians** [2504, 2353]. **Historical** [1149, 3520, 2356, 1194, 1242, 3381, 3475]. **histories** [3654]. **History** [4298, 4299, 2335, 1880, 4304, 2329, 3168, 4360, 2887, 2668, 2353, 2430, 2367, 2694, 2827, 2456, 3300, 3468, 1778, 1865, 3602, 468, 4284, 1169, 328, 1875, 3748, 3877, 1952, 1423, 3226, 3308, 3420, 1799, 21, 32, 3856, 3987, 1773, 1143, 2577, 4091, 2548, 2506, 2849, 3335, 3312, 1834, 2437, 2167, 2435, 3907, 4200, 3654, 3473, 3612, 3664, 1616, 3985, 455, 3802, 3997, 2117, 2160, 2504, 3524, 3441]. **Hitler** [3253]. **hobbyists** [2387]. **Hoboken** [4120, 4273, 4235, 4250, 3995]. **Hobson** [3212, 3193, 3739]. **Hoddeson** [2356]. **Hodge** [2672]. **Hofer** [3247]. **Hofer-Szabó** [3247]. **Hoffman** [3653]. **Hofmann** [2948]. **Hofmeister** [4111]. **Hogan** [2354, 3191]. **Hole** [3383, 1309, 2562, 2914, 710, 2252, 3576, 2251, 1308, 953, 949]. **Hole-mediated** [1309]. **Holes** [2857, 3040, 2597, 2716, 3273, 2651, 2934, 3411, 2013, 2078, 2479, 3784, 3477, 1681, 432, 1264, 4208, 3963, 1512, 2916, 3191, 4033]. **Holgate** [2537]. **Holger** [2974]. **Holly** [739]. **Holmes** [2869]. **Hologram** [928]. **holographic** [3329, 3915]. **Holography** [422, 525, 3418, 2429, 3232, 2852]. **Holstein** [3754, 3430]. **Holthuijsen** [2484]. **Holton** [3945]. **home** [1596]. **Homogeneous** [3376]. **Honegger** [3558]. **Honig** [4189]. **Honor** [3308]. **Honour** [3412, 1057]. **Hooft** [3379, 2397, 3379]. **Hoover** [3023, 3023]. **hope** [983]. **hopes** [1560]. **Horace** [1343]. **Horacio** [3123, 3132]. **Horatiu** [4002]. **Horing** [3819]. **Horizons** [3273]. **hormone** [600]. **Horton** [3688]. **Horwitz** [3538, 2454]. **Hosepipes** [1832]. **Hot** [1749, 2190, 1285, 2441, 4102, 4049]. **Hotakainen** [2321]. **Houches** [3772, 2760, 3836, 2846]. **Houle** [2333]. **House** [4079, 16]. **Houssa** [3666]. **Howell** [2488, 4136]. **Hsiung** [3720]. **Hsu** [2777]. **https** [4211, 4206, 4186, 4201]. **Hu** [4141]. **Huang** [3635, 2475]. **Huard** [3374]. **Hubble** [4041, 1874, 1714, 1482]. **Hubeny** [3067]. **Hubert** [3208]. **Huggett** [2581]. **Hugh** [2508]. **Hughes** [3277]. **Hugo** [3370, 3240]. **Hulin** [3500]. **Human**

[2350, 4308, 3084, 2943, 2722, 2710, 3520, 1745, 3456, 3690, 4339, 1849, 3802]. **humanity** [3904]. **Humboldt** [4]. **Humphreys** [3203]. **Humphry** [331]. **Hundred** [3314]. **Hungarian** [2363]. **Hunt** [2564, 2707]. **Huss** [2613]. **Hutzler** [2041, 3248]. **Hwa** [2756]. **Hwang** [2927, 3999]. **Hybrid** [3545, 3161, 3742]. **hybrids** [1765]. **hydras** [2163]. **Hydraulics** [278]. **Hydroclimatology** [2607]. **hydrodynamics** [3586, 3278, 3500]. **Hydrogen** [3375, 123, 1105, 1349, 866, 4245, 3767]. **Hydrogenic** [2087, 2953]. **Hydrostatic** [614]. **Hyperbolic** [2653]. **hyperfine** [826]. **Hypernuclei** [1288]. **Hypersensitizing** [892]. **Hyperspace** [3923]. **hysteresis** [6]. **Hÿtch** [4224].

IA [3626, 3075]. **IAC** [2453]. **Ian** [2462, 3509, 2564, 4028, 3205, 3478, 2566, 3216, 2871, 3021, 1507]. **IAU** [3203, 2727, 2737, 2898, 2467, 2780, 3039, 3067, 3267, 3348]. **Iayers** [1257]. **IB** [3626]. **IBIS** [283]. **Ice** [2906, 1090]. **Icons** [4124]. **Icy** [2737]. **ideal** [3573, 3519]. **ideas** [4211, 363, 3856]. **ideas-particle-physics-4th-edition** [4211]. **idiosyncracies** [2082]. **Idrus** [3504]. **Igel** [3717]. **Ignition** [2928]. **ignorance** [387, 3514, 1393]. **II** [2926, 4232, 3658, 2744, 61, 4297, 175, 1782, 1225, 366, 1247, 1053, 1427, 355, 370, 303, 153, 1008, 245, 369, 532, 401, 210, 637, 559, 1748, 699, 1282, 2596, 3322]. **III** [380, 653, 133, 2508]. **Ikeda** [2657]. **Ikesue** [3319]. **Iliopoulos** [3736, 3801]. **Illuminate** [2742]. **Illuminating** [1799, 3594]. **Illumination** [3425]. **illus** [4283]. **Illusion** [2904, 2017, 1743]. **illustrate** [414]. **Illustrated** [2372, 2635, 2705, 2473, 3768, 3849]. **Illustrating** [3044]. **Illy** [3006]. **Image** [815, 2884, 791, 4165, 673, 3351]. **Imagery** [2456]. **Images** [2456, 615, 3637]. **Imagination** [2679]. **Imaging** [582, 4356, 2842, 2684, 3232, 4224, 2888, 2938, 2470, 1226, 3559, 3550, 208, 1721, 3478, 1316, 839, 3601, 3432, 3874, 3882, 3697, 2006, 3795, 1973, 3201, 3457, 2464, 2973, 3145, 3630, 3582, 3673, 3204, 4020, 3362, 3870]. **Imke** [3238]. **Impact** [2527, 2596, 2672, 2898, 1704, 4031, 3970, 577, 3676]. **impacts** [3891, 3274, 2722, 3520, 834]. **imperfect** [908]. **Imperfections** [4348, 3869]. **Imperial** [54, 96, 180]. **implantation** [518, 532, 1296]. **implementation** [4120]. **Implications** [2126, 2181, 1472, 102]. **Imponente** [2741]. **importance** [3333, 778]. **important** [537]. **impressions** [36]. **imprint** [2896]. **Improper** [2766]. **improve** [2174]. **improved** [1516]. **Improving** [2670, 2552]. **impurities** [464]. **in-between** [735]. **Inan** [2967]. **inanimate** [3221]. **inclusions** [2224]. **Incoherent** [729]. **Incompressible** [3429]. **Index** [2394, 2074, 2075, 2151, 2152]. **indirect** [3547]. **Indistinguishable** [2148]. **Induced** [999, 1008, 1518, 1541, 3728, 725, 934, 597, 1244, 2833, 3646]. **induction** [105, 165, 247]. **Industries** [136]. **Industry** [2804, 1119, 2889]. **Inelastic** [603, 1069, 704]. **Inert** [550, 593]. **inertia** [1265]. **Inertial** [2928, 3824, 340]. **Infared** [1587]. **Inference** [3259, 3755, 2208, 2215]. **infinite** [4210]. **Infinity** [2764, 3128]. **Inflation** [1628, 2539, 2815, 2126, 3583]. **inflationary** [2156]. **Informatics** [2945, 2945]. **Information** [3111, 3180, 3425, 2945, 2636, 4357,

1850, 3160, 3210, 2371, 1271, 2985, 2846, 3380, 2536, 2281, 2078, 3506, 1083, 3518, 3975, 2107, 3548, 2455, 1943, 1969, 2698, 2055, 4216, 2147, 3684, 4267, 2296, 2297, 2495, 2692, 2455, 2656, 3425, 2400]. **Information-based** [3160]. **informed** [2450]. **infra** [495, 204, 210, 135, 258]. **infra-red** [495, 204, 210, 135, 258]. **Infrared** [2696, 2775, 806, 3151, 2220, 937, 582, 1587, 791, 989, 4085, 602, 2272, 3697, 447, 2006]. **Inguscio** [3245]. **inhibition** [2102]. **Initial** [1207]. **injection** [3482]. **inner** [4054, 274, 3722]. **Innocence** [4342, 3875]. **Innovations** [2804]. **Inquiries** [4300, 3448]. **Inquiry** [3243]. **insider** [3776, 3804]. **insight** [4149]. **insights** [4110, 2216, 1653, 2223]. **insoluble** [850]. **inspirational** [3719]. **inspired** [2193, 3496]. **instabilities** [1391]. **instability** [1009]. **Instantaneous** [817]. **Instantons** [2544, 2999]. **Institute** [145, 554, 4358, 4240, 605, 4201, 2322, 4147, 27, 97, 143, 158, 40, 308, 4124, 499, 76]. **Institution** [186, 253, 397, 53, 394]. **Instrument** [1343]. **Instrumentation** [3407, 171]. **instruments** [1887, 31, 4244]. **insulating** [790]. **insulation** [303]. **Insulator** [3230, 697, 2209]. **Insulators** [3277, 1289]. **insulin** [600]. **Integrable** [3311, 2444, 3591]. **Integral** [2291, 2995]. **Integrals** [3123, 1402, 3527]. **Integrated** [1193]. **Integration** [2301, 2998, 2932]. **integrity** [950]. **Intellect** [4345, 2191, 2191]. **intelligence** [4227, 3195]. **Intelligent** [2988]. **Intelligible** [3300]. **Intense** [2949, 1657, 1198]. **intensifiers** [815]. **intensity** [2220, 1791, 2482]. **Interacting** [3067, 3598, 3833]. **Interaction** [3122, 2954, 2048, 790, 895, 3712, 3225]. **Interactions** [2366, 2703, 2924, 680, 1001, 1515, 626, 1328, 3937, 2974, 3744, 2355]. **Interactive** [3343]. **interdisciplinary** [3454, 4219]. **interest** [4120, 4106, 3318, 3111, 4057, 2809, 2989, 3295, 2851, 2843, 2585, 2471, 2679, 2658, 2600, 2564, 2498, 2857, 2742, 2707, 2770, 3056, 3167, 3195, 3403, 3406, 3462, 4073, 3349, 4113, 2988, 3139, 3192, 3302, 4155, 2906, 4291, 4285, 3009, 2684, 3177, 4156, 4274, 2726, 3219, 3400, 3456, 3477, 3455, 3459, 3131, 3120, 3254, 3253, 3196, 3375, 3405, 3270, 3135, 3121, 3363, 3128, 3018, 2691, 3415, 3445, 2435, 3100, 3423, 2916, 2881, 2929, 2933, 2864, 3078, 4115, 2899, 3428, 2753, 3234, 2694, 2796, 3006, 2908, 2877, 447, 2778, 3066, 3002, 2513, 3239, 4208, 2717, 2496, 2608, 2814, 3197, 3225]. **interest** [3461, 2532, 3048, 3151, 4086, 4171, 3286, 2982, 2645, 2558, 2789, 4109, 2986, 2970, 3001, 3020, 3042, 3215, 3284, 3379, 4258, 3300, 2917, 2964, 3378, 3355, 2650, 2610, 2768, 3164, 4256, 2990, 2521]. **interested** [2294, 3206, 2466, 2426, 2413, 2450]. **Interesting** [1783]. **interface** [3706, 1898]. **interfaces** [2216, 2771, 4295]. **interfacial** [3962]. **Interference** [103, 62]. **interferometer** [260, 657]. **interferometric** [1303, 3893, 1262]. **interferometry** [4277, 3464, 1947, 3510, 4230, 3697, 3863, 1999]. **interior** [59]. **Interiors** [1083, 1074, 3422]. **Intermediate** [2561]. **intermetallic** [1333]. **Intermetallics** [1980]. **Intermolecular** [3097, 4110, 3703]. **Internal** [826, 666, 653]. **International** [78, 266, 4254, 3116, 4191, 3289, 719, 3276, 4218, 3063, 137, 65, 4220, 3020, 3039, 3267, 3593, 834, 3711, 70, 464, 366, 163, 1019, 2050, 2064, 4, 157, 338, 415, 560, 156, 144, 3633]. **internet**

[4248, 1951, 2732]. **Interplay** [2462, 2343, 3787]. **Interpretation** [1093, 3086, 1145, 3469, 559, 322, 3469, 4069, 2241]. **interpreter** [3614]. **Interpreting** [2983]. **intersecting** [680]. **Interstellar** [4238, 4344, 2469, 4352, 1406, 123, 3860, 3993, 1629, 3445]. **intra** [4110]. **intra-** [4110]. **Intriguing** [2491, 2481]. **Introducing** [368, 409, 382]. **Introduction** [3393, 2788, 2786, 2138, 2573, 4271, 2754, 2189, 2238, 2621, 3297, 3436, 2489, 4361, 2402, 4362, 2844, 2514, 3303, 2817, 3358, 2642, 3415, 3140, 3449, 3125, 2855, 3000, 2784, 2595, 2761, 3347, 3132, 2556, 2418, 2960, 2310, 2531, 3285, 2723, 2758, 2618, 4347, 4088, 3178, 2373, 2646, 3397, 2469, 3101, 4305, 4078, 2102, 2569, 2304, 561, 3974, 4139, 4000, 2403, 1241, 1247, 2480, 4118, 3687, 2812, 3628, 3329, 326, 2730, 3856, 2961, 3762, 1413, 2394, 3686, 3925, 3553, 3643, 4040, 2176, 2605, 2333, 4112, 3819, 3926, 2482, 2148, 878, 3905, 2332, 4197, 4218, 3922, 4036, 4169, 1517]. **introduction** [3489, 3693, 4188, 4245, 3330, 4260, 3745, 3888, 3940, 2147, 1296, 3221, 3782, 3847, 3775, 3850, 2345, 4153, 3199, 2346, 2614, 2868, 2865, 3123, 2684, 3120, 3018, 3263, 3216, 3090, 2434, 2390, 2947, 2905, 2426, 2650, 2990, 3757, 3622, 3651, 3790, 3805, 4016, 4286, 3509, 4273, 4045, 4073, 3599, 3627, 4099, 3543, 2413, 3556, 2686, 4062, 3180, 3785, 3107, 2715, 2425, 2955, 3723, 4177, 2995, 2636, 2823, 3507, 2842, 3275, 3591, 2937, 2563, 2533, 2655, 4081, 4281, 3317, 3576, 3671, 3993, 4146, 3592, 3382, 3921, 4017, 2680, 2309, 2587, 2914, 2815, 2837, 2997, 3109, 2976, 3471, 4066]. **Introduction** [3014, 4199, 4096, 2377, 3265, 3185, 2665, 2475, 2507, 3829, 3737, 2752, 2852, 3955, 3862, 3879]. **introduction/reference** [2394, 2332]. **Introductory** [2801, 4303, 2382, 3328, 2773, 3110, 2637, 2699, 4232, 2184, 2320, 2763, 3738, 2302, 3994, 2318, 2054, 2268, 3768, 2267, 4201, 3991, 2391, 2361, 531, 2420, 2740, 3493, 3917, 4022, 4034]. **intuitive** [4045, 1678]. **invaders** [1133]. **invariance** [405]. **invariant** [3560, 1728]. **invariants** [405]. **invented** [2735]. **Invention** [2289, 2986]. **Inventions** [3006]. **Inventor** [3149]. **inventory** [3907]. **inverse** [1334, 4053, 1190]. **inverse-square** [1190]. **inversion** [1621, 878, 1257]. **Inverted** [2637]. **investigation** [372]. **Investigations** [2137, 499, 2515, 1277]. **investments** [3252]. **invincible** [1393]. **Invisible** [2679, 3623]. **Invitation** [4268]. **involving** [980, 653]. **Ioan** [3554]. **Iodine** [917, 4110]. **Ioffe** [2609, 3800]. **Ion** [1240, 1069, 518, 532, 3823, 768, 3059, 3294, 1296, 1458, 3161, 1385, 1130, 2640, 2177, 623, 637, 653, 926, 2641, 557]. **ion-atom** [1458]. **ion-irradiated** [2177]. **Ionic** [1406, 1841, 1027, 903]. **ionised** [1428]. **ionising** [1444]. **Ionization** [303, 737]. **ionizing** [209]. **ionosphere** [549, 644, 691, 729, 685, 833, 266]. **Ionospheric** [783, 574, 403]. **ions** [4118, 1069, 1767, 4212, 637, 1107, 4245, 3467, 1256, 1069, 1069, 3026]. **IOP** [4241, 4202, 4232, 4140, 4221, 4209, 4251, 4173, 4204, 4222, 4281, 4150, 4161, 4201, 4244, 4249, 4169, 4170, 4234, 4144, 4188, 4260, 4253, 4142, 4174, 4290, 4136, 4207, 4233, 4139]. **Ira** [3302]. **Iraj** [3504]. **iron** [791, 295, 4180]. **irradiated** [2177]. **irradiation** [1372]. **irregularities** [783]. **Irudayaraj** [3062]. **Irving** [3565]. **Isaac** [3878, 2708, 3270, 2437, 1272, 3093]. **Isaev** [4008]. **ISBN** [4132, 4120, 4078, 4060, 4106, 4149, 4010, 4057, 4016, 4062,

4110, 4211, 4137, 4225, 4286, 2893, 2772, 4082, 4241, 4217, 4284, 4275, 4202, 4232, 4268, 4135, 4140, 4139, 4254, 4038, 4000, 4032, 4009, 4056, 4055, 4210, 4273, 4271, 4296, 4206, 4035, 4231, 4293, 3425, 4005, 3945, 4045, 4018, 4028, 4073, 4123, 4069, 4154, 4182, 4177, 4184, 4191, 4221, 2082, 4027, 4100, 4113, 4118, 4061, 2057, 4143, 4209, 4183, 4240, 4272, 2329, 3102, 4030, 4084, 4155, 4248, 4251, 4291, 4285, 4138, 4173, 4026, 4072, 4052, 4178, 4190, 4148, 4198, 2191, 4163, 4252, 4006, 4021, 4081, 4156, 4204]. **ISBN** [4130, 4203, 4162, 4235, 4222, 4257, 4259, 4269, 4281, 4270, 4295, 4274, 4025, 4002, 4001, 4046, 4043, 4041, 3999, 4029, 4044, 4008, 4024, 4085, 4108, 4068, 4119, 4098, 4196, 4141, 4242, 4250, 3459, 4031, 4037, 4047, 3993, 4040, 3994, 4048, 3957, 4042, 4003, 4015, 4091, 4105, 4146, 4187, 4283, 4294, 3998, 4165, 3421, 4097, 4107, 4157, 4292, 4150, 4186, 2644, 3423, 4007, 4017, 3078, 4112, 4114, 4115, 4117, 4159, 4161, 4158, 4160, 4099, 4093, 4200, 4151, 4205, 4224, 4164, 4019, 4282, 4121, 4131, 4122, 4197, 4201, 4223, 4244, 4218, 4249, 4020, 4022, 4036, 4054, 4083, 4053, 4080, 4079]. **ISBN** [4169, 4170, 4189, 4234, 4144, 3996, 3995, 4071, 4129, 4255, 4208, 4188, 4219, 4276, 4070, 4066, 4077, 4166, 4167, 4199, 4260, 4297, 3337, 4095, 4096, 4094, 4253, 4265, 4266, 4065, 4064, 4063, 4220, 4086, 4092, 4142, 4147, 4171, 4174, 4216, 1562, 4290, 4034, 4059, 4109, 4004, 4039, 3956, 4033, 3997, 4023, 4058, 4116, 4067, 4172, 4136, 4207, 4176, 4215, 4233, 4145, 4175, 1844, 4258, 4111, 4185, 4168, 2041, 4243, 4256, 4267]. **ISBN-10** [4170, 4234]. **ISBN-13** [4170, 4234, 4168]. **Isenberg** [3508]. **Ishtiaq** [3401]. **Islamic** [3326]. **ISN** [2701]. **Isochronous** [3339]. **Isotope** [172, 462, 595, 1496]. **Isotropic** [1121, 3376]. **Issue** [2238]. **issues** [2129]. **Istvan** [2600, 2849, 3724]. **ITER** [3688]. **Itoh** [2818, 2818]. **Iung** [2966]. **IV** [2945]. **Ivan** [3506, 2878, 2695, 4216, 3189]. **Ivancevic** [2350, 2350]. **Ivezić** [3577]. **Ivo** [3507, 3059]. **ix** [2082]. **Iyetomi** [2657].

J [3776, 2312, 3211, 3763, 4062, 2781, 2786, 3721, 1191, 3509, 2374, 4241, 2491, 3115, 3506, 3796, 2290, 3698, 3699, 2949, 3696, 4038, 2830, 2439, 3710, 3656, 3644, 2311, 3579, 3748, 4045, 4073, 2293, 4100, 2995, 1131, 2708, 3179, 2329, 3102, 2779, 2261, 2504, 2766, 2341, 2342, 2494, 2999, 3650, 3047, 3762, 4052, 2777, 3616, 3809, 4021, 4269, 3054, 3407, 4046, 2737, 3057, 2993, 3074, 3552, 3436, 3668, 3708, 3577, 3627, 3754, 3801, 3797, 3994, 4048, 2566, 2816, 2918, 2387, 3551, 3050, 2898, 3121, 2343, 3345, 4150, 2371, 2435, 2354, 3187, 3597, 4007, 2505, 2950, 4112, 4159, 2263, 2269]. **J** [2753, 2395, 3653, 4200, 4151, 4205, 3819, 3712, 3218, 2713, 2985, 3238, 4019, 56, 2267, 4121, 2295, 2434, 2472, 3521, 3682, 3736, 3795, 4020, 4022, 4054, 2393, 2436, 2391, 2825, 2611, 3704, 2860, 2976, 2418, 2510, 2511, 2725, 2717, 2620, 4095, 2315, 2376, 3565, 3567, 3812, 4086, 3788, 2468, 2501, 2349, 2631, 2530, 2947, 3236, 2370, 2369, 2488, 2807, 2968, 2632, 2822, 2986, 2599, 2388, 2507, 2559, 2934, 2721, 3134, 3042, 3284, 3495, 3662, 3765, 4058, 2598, 3397, 3676, 3655, 3761, 4185, 2319, 3590, 3355, 1146, 2919, 2358, 2650, 3694, 3799, 2450]. **J-P** [2898]. **J-R** [3708]. **J.** [1459, 1092, 4329]. **J.-C** [2315]. **J.-M** [2976]. **J.-P**

[3710, 2501]. **Jaan** [3268]. **Jack** [3111, 3238, 3264]. **Jacob** [3506, 2912, 2655, 3577, 2622]. **Jacobs** [3447]. **Jacobsen** [4079]. **Jacques** [2527, 2596, 2780, 2917]. **Jadczyk** [3497]. **Jagadish** [2775]. **Jagit** [4272]. **Jahn** [2428]. **Jai** [3488]. **Jaksch** [2985]. **Jalil** [3534]. **Jamal** [3141]. **James** [3025, 648, 4211, 4202, 3945, 3192, 2777, 4196, 3190, 3135, 3230, 3672, 2793, 3508, 3260, 4175, 3655, 3821, 3525, 3397, 2650, 3281]. **Jamieson** [2767]. **Jan** [4271, 2878, 2625, 4282, 3217]. **Janiak** [2983]. **Janice** [4273]. **January** [158, 180, 221, 308]. **Japan** [3993, 156]. **Jarmo** [4224]. **Jaroszkiewicz** [3421, 3637]. **Jascheck** [2433]. **Jasheck** [2433]. **Jastrow** [2473]. **Jau** [2783]. **Javaux** [2387]. **Javier** [3194]. **Jay** [3400, 2837, 3264, 3215]. **Jayant** [2916, 2531]. **Jean** [2841, 4081, 3446, 3487, 3578, 3500, 3002, 3490, 4265, 3265, 3434, 2956, 3069, 2915]. **Jean-Christophe** [4081, 3265]. **Jean-Marc** [3490]. **Jean-Michel** [4265]. **Jean-Philippe** [3002]. **Jean-Pierre** [3500]. **Jed** [3312]. **Jeff** [2984, 3242]. **Jeffrey** [4275, 4222, 2616, 3519]. **Jeffreys** [2335]. **Jelley** [3274]. **Jenkins** [4207]. **Jennifer** [2661, 4225]. **Jenny** [2891]. **Jérôme** [3146]. **Jeremy** [3448, 3788, 3110]. **Jeroen** [3076]. **Jerome** [3589, 3305]. **Jerry** [2718]. **Jersey** [4085]. **Jesper** [3483]. **Jesse** [4292]. **Jesus** [3541, 4118]. **JET** [869]. **Jets** [3094]. **Jeu** [3675]. **Jianbai** [3030]. **Jiang** [3098]. **Jie** [3823]. **Jim** [4137, 2857, 4291, 2694]. **Jin** [3165, 2932]. **Jin-Jin** [3165]. **Jinghua** [2932]. **Jingsong** [3537]. **Jining** [2836]. **Jinqiao** [3489]. **Jinyi** [3457]. **Jirí** [2718]. **Joachain** [2949]. **Joannopoulos** [4021]. **João** [3507, 2608]. **Joel** [3506, 4035, 3181]. **Joeri** [3267]. **Jogesh** [3183]. **Johanna** [3498]. **Johansson** [2424]. **John** [3122, 766, 2463, 2593, 3522, 4206, 2615, 2662, 2823, 3144, 2504, 2937, 4098, 3315, 2816, 4294, 3274, 2517, 2653, 3430, 3012, 2974, 4260, 3473, 2582, 2588, 3529, 2831, 2848, 2669, 4207, 2456, 1653]. **Johns** [2845]. **Johnson** [3506, 3698, 2726]. **Johnston** [2462]. **Joint** [869]. **Jon** [3242]. **Jonathan** [2788, 2498, 2687, 3239]. **Jonathon** [3102, 3129]. **Jones** [3553, 3436, 2985, 3634, 3148, 3755, 3797]. **Joon** [2866]. **Jordi** [3586]. **Jörg** [4047]. **Jorge** [3313, 4098, 3678, 3058]. **Jorgensen** [3662]. **Jos** [3271]. **Jose** [4098, 4225, 4032, 3586, 3313]. **Joseph** [3523, 2749, 4183, 1092, 3062, 3256, 3512]. **Josephson** [2247, 507, 2248, 2048]. **Joshi** [3477]. **Joshua** [2688, 4201]. **Joslin** [2883]. **Journey** [3017, 1461, 2368, 4253]. **Joux** [2568]. **joy** [4291]. **József** [3006]. **Jr** [3656, 2435, 2613, 3688]. **Jr.** [3114, 3230, 2994, 2665]. **Juan** [4032, 3132, 2629]. **Judge** [4057]. **Judging** [2600]. **Julien** [2527, 2596]. **Julio** [3300, 2964]. **July** [366, 834]. **jump** [4154]. **Jumps** [1786]. **Jun** [3585, 3103, 2982]. **June** [1569, 834]. **Jupiter** [1022, 1642]. **Jürg** [2368]. **Jurgen** [4189, 4295, 3246, 3248, 3473, 3348]. **just** [4076]. **Justin** [2598]. **Jutamulia** [2485]. **Juyoung** [2798].

K=9780750333993 [4201]. **Ka-Di** [3165]. **Kachelriess** [4041]. **Kai** [3470, 3030, 2804, 2540]. **Kai-Erik** [2804]. **Kaler** [3135]. **Kallosh** [3784]. **Kálmán** [2749]. **Kamenev** [2824]. **Kameshwar** [2532]. **Kaminski** [4186]. **KamLAND** [2120]. **Kamran** [3580]. **Kanas** [4091]. **Kane**

[2294, 4233, 2926, 2533, 3731]. **Kaneda** [3143]. **Kannan** [3617, 4203, 4266]. **Kapitza** [1933, 1040]. **Kaplan** [2832]. **Kappl** [4295]. **Kapral** [2461]. **Kardar** [2497]. **Karen** [2975]. **Karl** [4204, 3208, 2910, 1153, 1181]. **Karlheinz** [4295]. **Karnakov** [3114]. **Karsten** [3619]. **Kartashova** [2592]. **Karthaus** [3104]. **Kasap** [2372]. **Kassal** [3506]. **Kastner** [3086]. **Katepalli** [3143]. **Katherine** [2535, 2511]. **Katsnelson** [4130, 2902]. **Kauffman** [3261]. **Kaufman** [3644, 3139]. **Kaviany** [3068]. **Kavokin** [3788]. **Kawai** [3039]. **Kaxiras** [4021]. **Kazuya** [4108]. **Kedar** [3582]. **Keith** [2883, 2991]. **Keller** [3338]. **Kelly** [4183, 3341, 3535]. **Kelvin** [2765, 625]. **Kempe** [2267]. **Ken** [2631]. **Kenji** [3439]. **Kenkre** [4219]. **Kennefick** [4023]. **Kenneth** [3322, 3524, 3152, 2860, 3069, 2915]. **Kenya** [879]. **Kepler** [4136, 3532]. **kept** [2070, 3563]. **Kerr** [909]. **Kerson** [2475]. **Ketterson** [3616, 3187]. **Kevin** [4077, 3170]. **Key** [1279, 2456, 865, 1143, 3517, 1516]. **KGaA** [4022]. **Khalili** [4291, 2857]. **Khan** [4235]. **Khanna** [2853]. **Khare** [3582]. **Khomskii** [2897]. **Khoo** [4098]. **Khrennikov** [3306]. **Khurgin** [2342]. **Khvorostyanov** [3495]. **Kibble** [3305, 2952, 2243]. **Kiefer** [2939]. **Killer** [3239]. **kilogram** [2892]. **kilometre** [670]. **Kim** [4067, 2798, 3493]. **Kimball** [1092, 2588]. **Kimberley** [3056]. **Kimura** [4140, 3184]. **Kinder** [4292]. **Kinematics** [2565]. **Kinetic** [4320, 2619, 3833, 1912, 501]. **Kinetics** [2818, 3626, 3495, 2673]. **King** [4038, 2357, 3018, 3529]. **Kingdom** [222, 358]. **Kinzer** [2420]. **Kip** [4184, 4190, 4176]. **Kira** [2805]. **Kirill** [3040]. **Kirin** [4258]. **Kiritsis** [4131]. **Kirkup** [4078, 2901]. **Kirkwood** [2195]. **Kirsten** [2995, 2391, 2510]. **Kiselev** [3593]. **Kisslinger** [3533]. **Kitamura** [2925]. **Kitchin** [3286]. **Kitsinelis** [3581]. **Kittell** [2547]. **Kjellander** [3563]. **Klafter** [2825]. **Klages** [2416]. **Klaus** [3098, 3307]. **Klebanoff** [3767]. **Klein** [2969, 1880, 2154]. **Kleppner** [3285]. **Klimek** [4017]. **Klimov** [2398]. **Klioner** [2727]. **Kloeden** [3340]. **Klotz** [3321]. **Klyatskin** [2821]. **Klyshko** [2746]. **Kneller** [584]. **Knew** [4341, 3810]. **Knocking** [2742]. **Knots** [1707]. **Knotted** [2570]. **Know** [2312, 4337, 2312, 3752, 3871]. **knowledge** [2312, 1297, 874, 1951, 2867]. **Kobayashi** [2988, 2940, 3439]. **Koberlein** [3438]. **Koch** [2805]. **Kochelap** [2377]. **Koen** [2614]. **Kogan** [3114, 2466]. **Koichi** [3764]. **Koikegami** [3103]. **Kok** [2636, 4098]. **Kolanoski** [4158]. **Kolb** [2356]. **Kolenkow** [3285]. **Kondo** [3103, 777]. **Kool** [2774]. **Kopeikin** [2832]. **Korenaga** [2982]. **Kosovichev** [2898]. **Kosso** [3774]. **Kosterlitz** [3313, 4098]. **Kosuke** [3103]. **Kotkin** [4187]. **Kotlarchyk** [2355]. **Kounai** [2787]. **Kouveliotou** [3057]. **Kovalevsky** [3069]. **Kow** [3046]. **Koyama** [4108]. **Kozhevnikov** [4094]. **Kozyreff** [2488]. **Kragh** [2658, 3502, 3048]. **Krapivsky** [2619]. **Krausz** [4172]. **Krawczynski** [3094]. **Krems** [4116]. **Kreuzer** [2708]. **Krich** [3506]. **Krishna** [2996, 2345]. **Krishnan** [4203, 3998, 4266, 3617]. **Kronberg** [3669]. **Kronmüller** [2522]. **Krugel** [2469]. **Krupinski** [4165]. **Krupp** [4042]. **Kshitij** [4240]. **Kubin** [3147]. **Kugler** [3764]. **Kulik** [2746]. **Kumar** [2853, 3540, 4159, 2558]. **Kunihiko** [3103]. **Kurt** [3447, 1034]. **Kuttner** [2796]. **Kutz** [4019]. **Kuzelev** [2659]. **Kuzmany** [2865]. **Kwek** [3412, 3659, 2846]. **Kyle** [2722]. **Kylstra** [2949]. **Kyohei** [3404]. **Kyoto**

[156, 157].

L [3767, 4078, 899, 4225, 2781, 2926, 2374, 2385, 2386, 2458, 3203, 2966, 4009, 3656, 2955, 2356, 3261, 3412, 3695, 3945, 4073, 3747, 3629, 2766, 3279, 3177, 3755, 4235, 2429, 1507, 4024, 2993, 3588, 3689, 4048, 4015, 2609, 2816, 4187, 2387, 3093, 3429, 2396, 2771, 2524, 3277, 2437, 2435, 2649, 2940, 3653, 2890, 4019, 3272, 2712, 3033, 3718, 3736, 2846, 3256, 2607, 2860, 2711, 3064, 4276, 3138, 3014, 2401, 2619, 2968, 2822, 3087, 2454, 2590, 2656, 2721, 3001, 4207, 3594, 2650]. **L-C** [2846]. **lab** [1823, 3529, 3568, 3740]. **Lab-on-fiber** [3740]. **laboratories** [264]. **Laboratory** [145, 1459, 468, 1045, 1053, 177, 2652, 108, 142, 364, 365, 3397, 2344, 1406, 323, 959, 3488, 2261, 1774, 1235, 2262, 3978, 195, 219, 256, 262, 265, 406, 3850, 380, 211, 765, 242, 3612, 3555, 3458]. **labs** [4232]. **Ladd** [4083, 3344]. **Ladislas** [3147]. **Ladislav** [3591]. **Lady** [3299]. **Laegsgaard** [3483]. **Lafyatis** [4038]. **Lagrangian** [2418, 3932]. **Lahiri** [2560]. **Lahti** [3710]. **Laio** [2833]. **Laird** [4135]. **Lakhtakia** [2546]. **Lallit** [4178]. **Laloë** [4005, 3034]. **Lam** [3664, 3470, 2540]. **Lambert** [4260]. **Lambourne** [3436, 2611]. **Lamy** [3408]. **Lancaster** [3345]. **Land** [139]. **Landau** [2730]. **Landauer** [1943]. **Landé** [112]. **Landeira** [3678]. **Landi** [2295]. **landscape** [2163]. **Lane** [4117]. **Laneuville** [4150]. **Lanfranchi** [4160]. **Lang** [3152]. **Lange** [2781]. **Langmuir** [1202]. **Language** [2935, 2358, 3302]. **Large** [4277, 2471, 3403, 2542, 4263, 3731, 3964, 321, 3594, 1358, 1758, 942, 1064, 1171, 1495, 4151, 1957, 1054, 1516, 1355, 2183, 3465]. **Large-scale** [4277, 321, 1758, 4151]. **Largs** [2765]. **Larkoski** [4045]. **Lars** [4098, 3337]. **Larsen** [3242]. **Laser** [1518, 1541, 3395, 2949, 3298, 1047, 2228, 1762, 2731, 1349, 1536, 2847, 1496, 2678, 1698, 1452, 2924, 1197, 934, 3852, 1023, 2146, 1177, 1270, 1657, 2007, 4050, 1198, 284, 1677, 971, 1378, 3387, 3395, 3646, 3207, 3531, 3568]. **Laser-assisted** [1452]. **Laser-Based** [3207]. **Laser-induced** [1518, 1541, 934, 3646]. **Laser-produced** [1047]. **Lasers** [1114, 184, 622, 1035, 4202, 771, 1742, 2233, 2211, 1413, 1391, 838, 1385, 1443, 1528, 2642, 2272, 1748, 2060, 1480, 3482, 3979, 3475, 3146, 3319, 2424, 2736, 4140, 3323, 3428, 2803, 3888]. **Lasing** [1621]. **Last** [4341, 707, 3810, 1254]. **Laszlo** [3647]. **Latif** [4033]. **latitude** [833]. **Latora** [3814]. **Lattice** [3518, 4306, 1089, 3424, 3902, 3927, 1241, 1247, 1488, 1009, 2209, 1856]. **Lattices** [3022, 1241, 1247, 2107, 1831, 2808]. **lattices-crystalline** [1831]. **Launay** [3446]. **Laureate** [3432, 965]. **Laurence** [2977]. **Laurent** [3481]. **Laussy** [3788]. **Lautrup** [2971]. **lava** [2213]. **Lavega** [2618]. **Lavrentiveva** [2807]. **Lavrinenko** [3483]. **law** [1265, 1334, 2142, 165, 133, 3645, 1864, 3721, 238, 3587]. **Lawless** [2707]. **Lawrence** [3538, 1092]. **Lawrie** [3021]. **Laws** [1175, 2758, 2417, 3839, 164, 596, 2142, 3949]. **lay** [2353]. **Layer** [2974, 782]. **layers** [878]. **layman** [1687, 1015]. **laymen** [1241, 1247]. **Lazarro** [2737]. **Lazer** [1562]. **Lázló** [3247]. **lazy** [3762]. **Leading** [2647]. **Leap** [2350]. **learn** [3964, 4340, 3876]. **Learning**

[3259, 4225, 3577, 4214, 4019, 4197, 2700, 3330, 3660]. **least** [2549, 3762, 4262]. **Leather** [213]. **leave** [2026]. **Lebedev** [4124]. **Lecture** [2875, 2760, 2846, 3772, 131, 1569, 3836, 3491]. **lecturer** [4239, 2398]. **Lecturers** [3114, 3043, 4187, 4283, 2543, 3064, 2723]. **Lectures** [4355, 2082, 3337, 2297, 253, 3911, 397, 169, 186, 2912, 2322, 2297, 2936, 3699, 3561, 2693, 4085, 3398, 3770, 2821, 3045, 4063, 3987]. **Lederman** [2691]. **Lee** [2866, 3499, 2930, 2923, 2393, 2885, 3761]. **Leeuwen** [3090]. **Leeuwen.** [3267]. **Left** [2300]. **Left-Handed** [2300]. **Lega** [3189]. **legacy** [3945, 2003, 2103, 3612, 3935]. **Leggett** [2261]. **legs** [2123]. **Lekner** [4206]. **Lemaitre** [2835]. **Lemons** [3793, 3258]. **Length** [3431, 4317, 2161, 3601]. **Lenihan** [766]. **lens** [3605]. **Lensing** [3291, 1550, 2023, 3709, 3858]. **Lenton** [2644]. **Leo** [2484]. **Leon** [2907, 3400, 2691]. **Leonard** [4117, 3533]. **Leonardo** [2740, 3245]. **Leong** [3659]. **Leonid** [3559, 2639]. **LEP** [1064]. **Lépine** [2780]. **Lepri** [3760]. **leptogenesis** [2812]. **leptons** [1318]. **Leroy** [2954, 2881]. **Lesgourgues** [3074]. **Lesne** [2351]. **less** [1552, 3473]. **lesson** [3702]. **lessons** [3510, 3863]. **Leszek** [2767]. **Let** [2411]. **Letellier** [4004]. **Leticia** [3772, 3374, 2760]. **Letokhov** [2424]. **Letters** [1092, 2765, 4113]. **Leuchs** [2297]. **Lev** [2989, 3984, 2913]. **Lévai** [2822]. **Level** [4120, 4078, 4060, 4106, 4057, 4062, 4110, 4286, 3480, 3498, 4082, 3509, 4241, 4284, 4275, 3506, 4232, 4268, 4254, 3491, 3485, 4056, 4055, 4273, 4271, 4296, 4231, 4293, 4073, 4123, 4069, 4154, 4177, 4113, 4118, 4061, 2057, 3507, 3499, 3493, 3488, 4240, 4272, 3502, 4084, 4155, 4248, 4251, 4291, 4285, 4072, 4052, 4178, 2191, 4163, 4252, 3494, 3496, 3501, 4081, 4156, 4162, 4235, 4257, 4259, 4269, 4281, 4270, 4295, 4274, 4085, 4108, 4068, 4119, 4242, 4250, 3478, 3479, 3477, 4105, 4283, 4294, 4165, 3492, 3510, 3421, 3497, 3200, 4107, 4157, 4292, 3487, 3003, 3511, 4112, 4114, 4115, 4117]. **Level** [4159, 4161, 4158, 4160, 3486, 4164, 3238, 3500, 4282, 4121, 4122, 4244, 4249, 4054, 4083, 4053, 4080, 4079, 4169, 4170, 4234, 3490, 3476, 3489, 4071, 4255, 4276, 4070, 4066, 4077, 4166, 4167, 4260, 4297, 2701, 4253, 4265, 4266, 3482, 3481, 3483, 3505, 3504, 3503, 4065, 4064, 4063, 4086, 4171, 4174, 2451, 3508, 4290, 4059, 4109, 2894, 3443, 3484, 3475, 3474, 3495, 4058, 4116, 4067, 4172, 4176, 4233, 4175, 4258, 4111, 4168, 869, 4243, 4256, 4267, 2414, 1501, 2301, 2567, 237, 245, 3190, 2528, 2519, 2472, 2487, 3979, 2424, 2423, 3372, 2921, 2312, 2686, 2883, 3122, 3157, 3395, 3318, 3393, 3368]. **Level** [3025, 3111, 3211, 3333, 3052, 3112, 3199, 3350, 2433, 2463, 2462, 2661, 2502, 2788, 2829, 4211, 4225, 2414, 2781, 2346, 2772, 2809, 2786, 2926, 2756, 2989, 3061, 3073, 3079, 3295, 3098, 3201, 2667, 2296, 2297, 2357, 2374, 4217, 2491, 2560, 2614, 2555, 2936, 3115, 3022, 3180, 3458, 4202, 2290, 2897, 2819, 3301, 2648, 2583, 2911, 3241, 2527, 2596, 2767, 2927, 3051, 3097, 2851, 2840, 2843, 3107, 2385, 2386, 2458, 2486, 2659, 2485, 2593, 2949, 2828, 3011, 3203, 3298, 3365, 2830, 2335, 2439, 2403, 2334, 2375, 2522, 2715, 2774, 2858, 3029, 3124, 2966, 3313]. **Level** [4210, 2425, 2868, 4206, 2411, 3072, 2544, 3376, 2585, 3154, 2795, 2955, 2865, 3116, 3384, 2311, 2356, 2471, 2350, 2459, 2615, 2679, 2545, 2495, 2658, 2600, 2565, 2564, 2508, 2662, 2490, 2498, 2912, 2857, 2870, 2742, 2707, 2751, 2904,

2770, 2856, 2727, 3091, 2981, 3089, 3056, 3017, 3037, 3133, 3010, 3229, 3237, 3261, 3167, 3195, 3171, 3403, 3406, 3412, 3320, 3383, 3462, 3425, 4182, 4184, 4191, 4221, 2293, 2320, 2412, 2509, 2754, 2347, 2757, 3349, 3371, 3137, 2866, 3038, 2977, 3095, 3035, 3247, 2942, 2740, 2867, 2945, 2801, 2948, 3055, 2995, 3142, 3150, 3442, 3123, 3296, 2823]. **Level** [2939, 2984, 3023, 2672, 2708, 3322, 3373, 4209, 2749, 2842, 3396, 2673, 2798, 2838, 2836, 2853, 2785, 3104, 2988, 3275, 3194, 3179, 3353, 3408, 4183, 2764, 3102, 3226, 3308, 2975, 3076, 3144, 3212, 3193, 2617, 2747, 2428, 2696, 2775, 2779, 3207, 2931, 3092, 3370, 3444, 2941, 2504, 2621, 2907, 3075, 3152, 3168, 2735, 2790, 2937, 2872, 2755, 3139, 3192, 3302, 3448, 2352, 2906, 2766, 2341, 2342, 2421, 2563, 2494, 2792, 2878, 2847, 3083, 3105, 2992, 3245, 3165, 3257, 2791, 2841, 2541, 2533, 2655, 2301, 2392, 3040, 3004, 2999, 2561, 2687, 2845, 3036, 2901, 2806, 2930, 3047, 3009, 3117, 2684, 4190]. **Level** [4198, 2294, 2394, 2529, 2625, 2537, 2777, 2794, 2776, 3118, 2965, 3181, 3279, 3280, 3177, 3343, 3344, 3450, 3452, 3451, 4204, 4203, 4222, 2702, 2693, 2302, 2366, 2429, 2567, 2542, 2660, 2800, 2954, 2944, 3054, 3204, 3323, 3407, 2601, 2887, 3126, 2979, 3205, 4196, 3184, 3321, 2850, 3297, 2726, 2737, 3113, 3007, 3081, 3057, 3043, 3044, 3074, 3016, 2996, 3268, 3266, 3219, 3377, 3341, 3315, 3317, 3400, 3309, 3394, 3364, 3435, 3438, 3427, 3437, 3436, 3456, 3422, 3455, 3459, 2289, 2313, 2457, 2597, 2489, 2674, 2566, 2609, 2528, 2816, 2706, 2918, 3013, 3099, 4187, 2330, 2318, 2372, 2348, 2402, 2387, 2452, 2519, 2548]. **Level** [2678, 2538, 2506, 2668, 2675, 2932, 2849, 2765, 2709, 2820, 2886, 2783, 2746, 3131, 3088, 3046, 2980, 3120, 3254, 3224, 3262, 3163, 3287, 3253, 3244, 3196, 3375, 3369, 3335, 3405, 3381, 2690, 3093, 3270, 3312, 3453, 2340, 2333, 2397, 2612, 3431, 3143, 3233, 3258, 3366, 3429, 2670, 3374, 2396, 3024, 2771, 2844, 2724, 3050, 3392, 3135, 2898, 2562, 3034, 3071, 3235, 3169, 3303, 3398, 2431, 2524, 2716, 3273, 2891, 3121, 3363, 3399, 3128, 3018, 3274, 3227, 2300, 2365, 2353, 2523, 2817, 3382, 2703, 3114, 3108, 3202, 3269, 3277, 3401, 3080, 3005, 2437, 2343, 2714, 2808, 3354, 3230, 3210, 2473, 2430]. **Level** [2691, 3345, 3415, 3446, 3445, 4186, 2292, 2371, 2435, 2623, 2539, 3100, 2367, 2351, 2379, 2461, 2474, 2354, 2476, 2438, 2616, 2644, 2493, 2525, 2889, 2902, 2863, 3263, 3283, 3187, 3186, 3182, 3340, 3423, 3457, 3454, 3460, 2299, 2682, 2505, 2526, 3026, 3424, 3189, 2355, 2680, 3015, 2692, 2950, 2797, 3162, 3447, 2688, 2916, 2881, 2929, 2748, 2738, 2923, 2933, 2864, 3078, 2983, 3208, 3206, 2288, 2466, 2594, 2497, 2899, 2773, 3428, 2309, 2465, 2464, 2671, 2584, 2753, 3140, 2973, 3058, 3246, 3367, 3027, 3030, 2395, 2455, 2427, 2517, 2647, 2543, 2518, 2649]. **Level** [2653, 2685, 2499, 2512, 2743, 2739, 2803, 2940, 2884, 2946, 3084, 3145, 3031, 2998, 3259, 3232, 3307, 3351, 3449, 3432, 4200, 4205, 4224, 3049, 3231, 3234, 3243, 3304, 3299, 3065, 3271, 2587, 2622, 3430, 3125, 3216, 3218, 3305, 3310, 2694, 2796, 3006, 3053, 2839, 2908, 2681, 2689, 2713, 2744, 2873, 2875, 2729, 2824, 2914, 2821, 2855, 2935, 2818, 2890, 2903, 2869, 2972, 3155, 3000, 3045, 3090, 2971, 2985, 3019, 3070, 3248, 3166, 3282, 3316, 2652, 3276, 3272, 3103, 2460, 2664, 2877, 3240, 3311, 555, 2295, 2467, 2434, 2449, 2651, 2778, 3106, 2332, 2472, 2432, 2487, 2784, 2712]. **Level**

[3127, 3033, 3012, 3086, 4197, 3209, 3213, 3214, 2415, 2595, 2815, 3094, 3332, 4201, 4223, 4218, 2780, 2624, 2835, 2874, 2924, 2837, 2834, 2760, 2876, 2750, 2880, 3062, 3066, 3002, 3119, 2997, 3063, 3172, 3409, 4189, 3156, 2393, 2974, 3413, 2436, 2391, 2380, 2580, 2657, 2581, 2677, 2521, 2676, 2943, 2825, 2909, 2854, 2728, 2782, 2846, 3028, 3109, 3183, 3256, 3188, 3347, 3314, 2441, 2440, 3132, 2611, 2500, 2520, 2607, 2556, 2513, 2705, 2860, 2722, 3096, 2976, 3402, 3239, 2389, 2410, 2546, 2535, 3198, 2443, 2418, 2416, 2419, 2695, 2510, 2511]. **Level** [2833, 2711, 2745, 3064, 3414, 3380, 4208, 4188, 4219, 2759, 3138, 3014, 3346, 2725, 2717, 2557, 4199, 2322, 2310, 2314, 2390, 2496, 2608, 2620, 2896, 2814, 2741, 2895, 3197, 3225, 3228, 3461, 2315, 2316, 2317, 2377, 2376, 2331, 2378, 2568, 2592, 2925, 2719, 2720, 2804, 2879, 2888, 2805, 3148, 3059, 3146, 3141, 3255, 3264, 3265, 3319, 3362, 3339, 3404, 3391, 3410, 3440, 3441, 3434, 3439, 3433, 4220, 2532, 2582, 2531, 2589, 2588, 2938, 2910, 2913, 3048, 3151, 3149, 3285, 3281, 2718, 2579, 2723, 2978, 4216, 2442, 2468, 2501, 3286, 2987, 2349, 2422, 2540, 2530, 2793, 2951, 2952, 2859, 2758]. **Level** [2947, 3236, 2982, 2409, 2298, 2401, 2424, 2398, 2370, 2400, 2368, 2399, 2369, 2423, 2619, 3217, 3191, 3185, 3278, 2503, 2417, 2645, 2558, 3136, 2799, 2789, 2488, 3147, 2321, 2618, 2807, 2826, 2905, 2994, 2968, 2654, 2444, 2683, 2492, 2831, 2822, 2953, 3087, 2986, 3032, 2848, 2454, 2669, 2536, 2599, 2291, 2665, 2666, 3178, 2453, 2388, 2475, 2373, 2426, 2413, 2470, 2613, 2646, 2590, 2507, 2591, 2559, 2656, 2663, 2484, 2885, 2802, 2934, 2956, 2721, 2900, 2871, 2957, 2710, 2736, 2827, 2832, 2928, 3082, 2970, 3134, 3068, 3001, 3069, 3153, 3020, 3110, 3085, 3129, 2969, 3041, 3021, 3042, 3215, 3242, 3170]. **Level** [3260, 3284, 3411, 3338, 3306, 3372, 3379, 4207, 4215, 2534, 2598, 2787, 3397, 2456, 3039, 3067, 3267, 3300, 3348, 4185, 2319, 2344, 2752, 2345, 2469, 2922, 2917, 2964, 3378, 3355, 2547, 2915, 2920, 2882, 2967, 2919, 2852, 2586, 2358, 2420, 2650, 2610, 2768, 3164, 2769, 2704, 2990, 2450, 4173, 3939, 3372]. **levels** [535, 1752, 3078]. **lever** [509]. **Levi** [3095, 2518]. **Levinson** [3956]. **levitated** [3293]. **Lévy** [2763]. **Lewenstein** [3022]. **Lewis** [3695, 3119, 3117]. **LHC** [2294, 3825, 2647, 3613, 2294, 2044, 2360, 3677, 3054]. **Li** [3165, 4108, 4119, 3542, 2660]. **Liam** [3583]. **Library** [555]. **Licata** [3794]. **Lichtenberg** [3619]. **Lidar** [3362, 2032]. **Lidar.** [2288]. **Liddle** [2539]. **Lie** [4008, 3409, 3409]. **Lieb** [2601]. **Lieber** [3674]. **Life** [2977, 3102, 3152, 2387, 2473, 3340, 4329, 1165, 4338, 2657, 3380, 4341, 2804, 3281, 2970, 3378, 3984, 3695, 2945, 4237, 1623, 3931, 965, 3456, 4047, 2364, 3060, 3810, 4328, 2049, 2483, 2863, 3423, 3608, 3597, 1744, 4339, 1327, 3684, 3676, 2173, 1237, 3600, 1461, 3129, 2637, 4090, 3487, 3525, 4275, 2834]. **lifetime** [3590]. **Liger** [3196]. **Liger-Belair** [3196]. **Light** [3393, 2227, 2342, 1697, 1175, 3289, 1923, 3058, 1921, 2551, 2909, 2629, 1378, 1042, 1373, 1856, 3327, 7, 2450, 2032, 844, 3290, 4287, 4213, 3659, 1791, 3396, 3386, 3570, 3550, 603, 806, 2287, 658, 756, 260, 1198, 3906, 3623, 1752, 1885, 1387, 725, 3907, 2121, 2023, 1831, 3770, 3356, 2570, 4194, 1461, 3575, 2194, 622, 2155, 139, 4256, 2686, 3318, 2411, 2309, 3087, 3609, 3608, 3598, 3122, 2820, 3712, 3338, 3581]. **Light-Emitting** [2909]. **Light-field** [1697].

light-matter [3659, 3712]. **Light/Dark** [2450]. **Lighter** [2589]. **Lighthill** [2376]. **lighting** [3581]. **lightning** [2027]. **Lights** [2005]. **Lightwave** [4060]. **LIGO** [4101]. **Like** [3383]. **Lima** [2918]. **Liming** [4252]. **Limit** [3276]. **Limitations** [2862]. **limited** [1912, 1658]. **Limits** [2867, 1538, 4143, 1444]. **Lin** [3560, 3319, 2927, 3661]. **Lincoln** [2819, 2608, 2471, 3403, 3378]. **Linden** [3444]. **Lindesay** [3190]. **Line** [2807, 4010]. **linear** [2012, 2734, 88, 1029, 3562, 310, 2543]. **Lines** [2548, 3198, 553, 753]. **Linfeng** [2836]. **Linguistics** [3157]. **link** [667, 3504]. **linking** [4194]. **Lintott** [4109]. **Lions** [3172]. **Lipatov** [2609]. **liquefaction** [880]. **Liquid** [2668, 1913, 1441, 1405, 1870, 3900, 452, 1308, 500, 730, 4049, 1673, 953, 949, 1099, 1894, 724, 501, 2375]. **liquid-simulator** [501]. **Liquids** [2872, 3202, 735, 2443, 2573, 728, 339, 1187, 603, 4279, 847, 857, 2062, 297, 1855, 304, 424, 491, 538, 805, 531, 355, 3842]. **Lisa** [2742]. **Lissauer** [3238]. **List** [1018, 1025]. **literacy** [2552]. **Literature** [3472]. **lithography** [1063]. **Littmann** [3751]. **Liu** [3649]. **Live** [2834]. **lived** [981]. **Liverpool** [51]. **lives** [2057, 3405]. **Living** [2449, 4339, 872, 4274, 3221, 3456]. **Livio** [2714]. **LL.D** [648]. **llan** [3458]. **Llewellyn** [3092]. **Lluis** [2629]. **Local** [901, 2161, 2224, 1691, 3354]. **locality** [2160]. **Localization** [1257, 2755]. **Locating** [2307]. **locations** [4114]. **locomotion** [2337]. **lodestone** [1169]. **Loeb** [3081, 2748]. **logic** [2133]. **Logical** [3320, 2623, 363]. **Lok** [4141]. **London** [4057, 291, 3102, 2191, 4223, 4249, 4189, 89, 4070, 3337, 4095, 4265, 3956, 834, 4243, 53]. **Long** [3088, 893, 782, 2282, 240]. **Long-range** [893]. **Longair** [3089, 3168, 2738, 3612]. **Longer** [1182]. **Longitudinal** [2354]. **Look** [3383, 1674]. **Looking** [249, 131, 1973, 3206]. **loops** [313]. **López** [3132]. **Lord** [380, 291, 1165, 3702]. **Lorenz** [4039, 3220]. **Lorenzo** [3481, 3058]. **Lorrain** [2333]. **losses** [122, 6]. **Lost** [2565]. **Lotfia** [3063]. **Lou** [4250]. **Louck** [2374, 2793]. **Louie** [3718]. **Louis** [3261, 2766, 3578, 3172]. **love** [3924, 3532]. **Loveday** [3012]. **Lovelock** [2364]. **Loves** [3163]. **Lovett** [2636]. **Low** [1340, 3301, 4028, 2566, 686, 94, 2547, 844, 1049, 2337, 1422, 1427, 1752, 3760]. **Low-Energy** [2566, 1340, 686]. **lowdown** [2217]. **Lowenstein** [2950]. **lower** [1516]. **Lozier** [2632]. **Ltd** [4106, 4268, 4240, 4204, 4222, 4169, 4170, 4234]. **lubrication** [162]. **Luc** [3500]. **Luca** [3393, 3002, 2833, 4219]. **Lucas** [4057, 4283, 4185]. **Luciano** [2856, 3278]. **Ludovic** [3002]. **Ludovico** [2529]. **Ludwig** [3885, 3798]. **Luhmann** [3627]. **Lui** [3664]. **Luigi** [2945]. **Luis** [4081, 2651, 2711, 3265, 1844]. **Luiz** [2909]. **Lukas** [3036]. **Lukashov** [4110]. **Luminescence** [2177, 2224, 2878]. **Luminosity** [3594]. **lunar** [717, 3870, 337]. **Lung** [3046]. **Lunine** [3134]. **l'univers** [81]. **Lupei** [3319]. **Lynch** [3656]. **Lyndon** [2542]. **Lyne** [3016]. **Lyth** [2539].

M [3520, 2433, 2414, 2893, 3201, 3115, 2767, 3699, 2659, 2949, 3203, 2966, 4055, 3384, 2904, 2727, 3056, 3037, 3171, 3677, 4123, 3150, 694, 3599, 1131, 3628, 3212, 3193, 2779, 3648, 4030, 2352, 2341, 2494, 4138, 1830, 3679, 2394, 2794, 2776, 3343, 3617, 4203, 4001, 4046, 4041, 4024, 3007, 3057, 3400, 3752,

3773, 3751, 4031, 3957, 4042, 2566, 2330, 2402, 2340, 2396, 2844, 2716, 2300, 4292, 3230, 2473, 2691, 2351, 2354, 2476, 2525, 3632, 2355, 2692, 2797, 4114, 1057, 2465, 2455, 2427, 3653, 3740, 4099, 3819, 3234, 3065, 3218, 4164, 3053, 2744, 2875, 2935, 2890, 2903, 4121, 3106]. **M** [2432, 2487, 3718, 4122, 2415, 3094, 4201, 4223, 2750, 3063, 3634, 3795, 2825, 2846, 3028, 2441, 3132, 2500, 2976, 2389, 2410, 2419, 2511, 3681, 4129, 4219, 4070, 3138, 2725, 2314, 4095, 4266, 2317, 2377, 2331, 2378, 3141, 3566, 3505, 3610, 3813, 4065, 3702, 4092, 2349, 2530, 3236, 2409, 2401, 2398, 2370, 2368, 2417, 4034, 2321, 2826, 2265, 2444, 3087, 2848, 2373, 2646, 2656, 3215, 3484, 3707, 3737, 4033, 4067, 3067, 3300, 3655, 4111, 2319, 4267, 2450]. **M-theory** [1830]. **M.-L** [2966]. **M.K.S.A.** [387, 176]. **MA** [4009, 4056, 4167]. **Maartens** [2903]. **MacCallum** [2414, 2903, 3508]. **Maccato** [4242]. **MacDonald** [3775]. **MacGregor** [4275]. **Mach** [1342]. **Machacek** [2358]. **Machán** [4169]. **Machine** [3145, 3577, 4019, 3330, 3594, 4197]. **Machines** [3374, 1949, 4270, 2286, 4214, 3966, 2698, 2857]. **Maciej** [3022, 2544]. **MacKay** [3052, 2546, 2489]. **Mackillo** [2805]. **Macleod** [2828]. **Macmillan** [313]. **macro** [3942, 3252]. **macromolecular** [3663]. **macromolecules** [1220]. **Macroscopic** [3303, 2971, 2994, 1635, 1055]. **Macroscropic** [3738]. **Madame** [3299]. **Maddaloni** [3207]. **Made** [3037, 4327, 1570, 1703, 2644]. **Madhusudhan** [4221]. **Maeder** [2501]. **Maekawa** [3184]. **Maffucci** [3714]. **Magdolna** [3724]. **Magellanic** [1355]. **magic** [3926, 2399]. **magma** [2001]. **Magnesium** [2789]. **magnet** [407]. **Magnetic** [571, 554, 790, 2830, 3373, 446, 2836, 2975, 791, 812, 2494, 845, 2408, 535, 909, 3103, 3214, 2440, 402, 2646, 3085, 826, 1225, 126, 546, 1934, 818, 872, 1212, 1582, 873, 403, 445, 3617, 4046, 1129, 359, 369, 3669, 3957, 1700, 3992, 839, 1515, 607, 1768, 272, 863, 429, 781, 683, 1421, 2761, 4234, 61, 240, 3964, 4266, 651, 560, 1825, 2275]. **magnetically** [935]. **magnetically-ordered** [935]. **Magnetism** [251, 1666, 3200, 388, 464, 561, 584, 667, 848, 3898, 1128, 157, 338, 2204, 2283, 982, 3802, 1213, 3115, 2403, 3142, 2907, 129, 2802, 4062, 440, 584, 848, 2494, 4046, 2990, 111]. **magnetization** [165]. **magnetizing** [4094]. **magneto** [425, 909, 438, 683, 2333]. **magneto-conductivity** [425]. **Magneto-Fluid** [2333]. **magneto-optic** [909, 683]. **magneto-optical** [438]. **magnetoencephalography** [4236]. **Magnetohydrodynamic** [49]. **magnetohydrodynamics** [3671, 3978, 3332]. **magnetometers** [4236]. **Magnetometry** [724, 3156]. **magnetoresistance** [1515, 2209]. **magnetosphere** [855, 4104]. **magnetospheres** [1530]. **Magnets** [2757, 1843, 2205]. **Magnificent** [4128, 3270]. **Magnitude** [3135, 3926]. **Magrab** [4071]. **Mahdaliza** [3504]. **Maillé** [3503]. **maintenance** [687]. **Maiti** [4169]. **Maitland** [4269]. **major** [1068]. **Majorana** [4113, 2359]. **Majumdar** [3746]. **Make** [4348, 3869, 2962, 3949]. **Making** [3731, 1918, 4352, 988]. **Maksimenko** [3714]. **Malament** [2911]. **Malcolm** [3089, 3168, 2738, 3612, 3508]. **Malin** [2820, 3163]. **Malinovsky** [2678]. **Malkan** [4123]. **Mallik** [2379]. **Mallow** [2947]. **Malyarenko** [4061]. **Man** [654, 3106, 4338, 4341, 1672, 662, 1510, 1535, 3810, 1570, 1703, 3532, 1883,

1957, 1588, 4047]. **man-made** [1703]. **management** [925, 3514]. **Managing** [4192]. **Manasa** [3177]. **Manchester** [291, 221, 148, 232, 2880]. **Manfred** [2522, 3380, 2905]. **Mangano** [3074]. **Manhattan** [4171]. **Manifestations** [2271]. **manifolds** [3480]. **Manipulating** [2847]. **manipulation** [4103, 2362]. **Manjit** [2558]. **Mann** [3493, 3787, 2595]. **Manning** [3656]. **Mansfield** [3088]. **Manton** [3719]. **Manual** [3212, 3401, 3458, 2615, 3692, 2509, 3095, 3035, 2708, 3488, 3193, 2563, 2792, 2706, 2837, 2719, 3555, 3397, 2380, 2706]. **Manucci** [2317]. **Manuel** [2792, 3300]. **Manufacturer** [213]. **Manuscript** [3473]. **Many** [3393, 2221, 3022, 3840, 2508, 2962, 3090, 3311, 1469, 3010, 3652, 3591, 1145, 3884, 3920, 2371, 3972, 4276, 4166, 12, 3540]. **Many-Body** [3393, 3022, 3090, 3311, 3652, 3591, 1145, 3884, 3920, 3972, 4166, 12, 3540]. **Many-electron** [2221]. **many-particle** [1469]. **Maoz** [3621]. **mapping** [631, 4015]. **maps** [4091]. **Maragò** [3634]. **Marc** [3133, 3408, 4269, 3490, 2400, 3568]. **Marcel** [3924]. **Marcelo** [3659]. **March** [3652, 51]. **Marco** [3207, 4160, 3031, 2741]. **Marcolli** [2583]. **Marcovich** [3433]. **Marcus** [2543]. **Marder** [2724]. **Marek** [3297, 3140, 2967]. **Marfatia** [3032]. **Margaret** [4058]. **Maria** [2746, 1844, 3664]. **Mariana** [2740]. **Marianne** [2880]. **Maricel** [3554]. **Marina** [3075]. **Marinescu** [2692, 2692]. **Mario** [3052, 2489, 2714, 4161, 3367, 3066, 3475]. **Mark** [3368, 2667, 662, 2851, 2843, 3237, 3302, 3344, 3553, 3436, 2675, 3024, 2474, 2518, 2940, 3607, 4083, 3414, 2938, 3281, 3624]. **markets** [3252]. **Markos** [2300]. **Marlyn** [2607]. **Marotta** [3343]. **Mars** [4015, 3020, 4059, 2321]. **Marsh** [4010]. **Marshall** [2409]. **Martin** [3498, 4061, 4143, 4209, 2696, 4224, 2839, 2467, 4122, 4218, 2760, 440, 2487, 2390]. **Martine** [2760]. **Martinez** [3194, 2565]. **Martino** [4031]. **Marvel** [2542]. **Masaki** [3630]. **Masanori** [2945]. **Masers** [3203, 68, 236, 258, 3475]. **Mashoon** [4043]. **mask** [2097]. **Maskow** [4269]. **mass** [1020, 1178, 3801, 1944, 2199, 3174, 1734, 3763]. **Masses** [170, 1152, 2071]. **Massey** [1205]. **Massimo** [3245, 4208]. **Massive** [3039, 2564]. **Massively** [1591]. **Massoud** [3068]. **Master** [180, 221, 2455, 206, 26, 98, 4265]. **masterpiece** [3270]. **masters** [159, 2412]. **Masud** [3240]. **Masujima** [2523]. **matching** [3853]. **Material** [3015, 2749, 4173, 2384]. **Materials** [3384, 2792, 4312, 4314, 2794, 4320, 2932, 2771, 2395, 2880, 3147, 3068, 3767, 410, 754, 3974, 1007, 1049, 420, 428, 618, 1276, 409, 935, 505, 450, 4198, 4252, 3809, 4204, 4203, 2007, 1898, 4250, 2059, 434, 961, 2096, 3992, 3358, 1254, 887, 950, 506, 683, 2487, 3666, 4094, 1464, 3799, 2830, 2858, 2494, 2394, 2300, 2410, 3255, 2319, 4183, 3647, 3617, 4021, 4156, 4257, 4046, 3607, 4266, 3535, 4215, 3450, 3753, 3452]. **Mathematica** [3438, 4323, 3960]. **Mathematical** [2491, 4061, 3212, 2687, 3421, 2523, 2973, 2518, 3304, 2935, 2782, 3109, 2632, 3885, 3830, 4281, 3952, 4201, 4218, 4070, 1988, 3046, 2681, 3172, 3995, 2316, 3595]. **Mathematica**^{TM} [3343]. **Mathematician** [3100]. **mathematicians** [2518]. **Mathematics** [109, 3193, 2794, 2517, 2451, 27, 167, 1753, 2427, 2543, 2117, 3170, 4219, 4077, 3295, 3994, 3849, 3217, 3924]. **Mathur** [2348, 3683]. **Matilde** [2583]. **MATLAB** [3988, 3541, 4022, 4303, 4316, 3297, 3140, 3691, 3559, 3314].

Matolyak [3315]. **matrix** [3770]. **Matter** [3122, 3393, 3124, 3261, 3167, 3279, 2954, 2601, 2850, 3268, 2714, 2616, 2971, 2664, 2472, 2432, 2924, 1647, 3380, 2401, 3136, 4343, 2450, 3763, 1137, 3785, 1402, 1487, 1862, 3491, 3873, 1011, 3919, 1765, 3659, 1637, 1879, 3547, 1774, 2961, 1189, 1145, 1080, 4001, 1291, 3060, 1992, 690, 2083, 3982, 2046, 3432, 1960, 4121, 4075, 2487, 3718, 3879, 3880, 3836, 4166, 321, 486, 1392, 3221, 3242, 3684, 3981, 84, 1414, 4354, 3029, 3245, 3460, 2355, 3206, 2389, 3197, 2349, 2630, 4106, 3557, 3505, 3675, 19, 3396, 3915, 3712]. **Matter-antimatter** [1647]. **Matters** [2438]. **Matthew** [3275, 3823, 3316]. **Matthieu** [4150]. **Matveev** [3218]. **Maudlin** [2981]. **Maupuech** [3788]. **Maurizio** [3997]. **Mauro** [3282]. **Maury** [3208]. **Max** [965]. **Maxim** [3311]. **Maxime** [3659]. **Maxwell** [3840, 3075, 3281, 3514, 1698, 1259, 2219, 3612]. **May** [195, 256, 262, 276, 365, 261, 214]. **maybe** [3295]. **Mazure** [2929]. **Mazzucato** [3642]. **McAllister** [3583]. **McCall** [2710]. **McCartney** [3281]. **McCauley** [3256]. **McComb** [3376]. **McCracken** [3099]. **McDonnell** [2419]. **McGill** [196]. **McGillicuddy** [3656]. **McGloin** [2598]. **McLennan** [2826]. **McRae** [3322]. **McSween** [2613]. **McWilliams** [3025]. **Mean** [2715, 3372, 3672]. **mean-field** [3672]. **Meaning** [3320, 2534, 1671, 3987, 3811, 3473]. **means** [141]. **Measure** [3138, 3643, 4230, 3590]. **Measured** [2462]. **Measurement** [2545, 840, 4321, 3374, 3447, 2557, 2804, 2530, 468, 3881, 778, 874, 2174, 395, 3328, 2176, 960, 3531, 2482, 378, 1743, 2055, 1480, 1442, 3407, 3710, 3112, 3407]. **Measurements** [2648, 1671, 3207, 3245, 2670, 3961, 817, 2338, 438, 3818, 4111]. **measures** [2281]. **Measuring** [609, 445, 4051, 1793, 2266, 1925, 1658, 4102, 3049, 2265]. **Mechanic** [2518, 4296]. **Mechanical** [505, 398, 2213, 1290, 3249, 873, 4280, 1793, 2266, 2265, 3798, 1464, 2900]. **Mechanics** [2781, 2560, 2490, 3320, 3038, 2801, 2995, 4303, 3296, 3493, 3076, 2790, 2992, 2687, 2845, 3047, 2726, 4322, 3233, 3024, 3034, 3235, 3114, 2713, 3311, 3086, 3214, 4335, 2874, 2760, 3172, 3949, 1553, 2391, 2854, 3132, 2705, 3096, 2410, 2416, 2579, 2947, 3178, 2832, 3470, 1409, 1437, 4217, 4014, 4005, 4069, 3663, 3657, 3658, 360, 370, 2090, 3820, 4178, 1839, 3557, 875, 3513, 3999, 4196, 4187, 3906, 3510, 1171, 1460, 4161, 539, 2148, 1693, 3546, 1303, 4218, 4022, 1581, 3863, 1955, 4129, 4188, 529, 4297, 4086, 3786, 907, 3798, 3857, 4145, 4175, 1464, 3685, 3600, 4129]. **Mechanics** [2502, 2829, 2936, 3089, 2823, 2845, 875, 2601, 3205, 3341, 2348, 3046, 3421, 2365, 3401, 3210, 2351, 2864, 3000, 3045, 3282, 2677, 2676, 2418, 2759, 3285, 2951, 2952, 2488, 2492, 2454, 2665, 3260, 4268, 3750, 3585, 3947, 3538, 3561, 3734, 3811, 4066, 4231, 3005, 2645, 3943, 4134, 3980, 3843, 3887]. **mechanism** [3249, 3225]. **Mechanisms** [3154, 1341, 744, 665, 2208, 4288, 4111]. **Mechoulam** [2912]. **Medal** [605, 2582]. **Media** [2820, 3233, 3213, 3402, 3988, 4316, 1923, 2659, 3002]. **mediated** [1309, 2285]. **Mediavilla** [2779]. **Medical** [3201, 2842, 2396, 2464, 144, 3119, 65, 1048, 1721, 886, 4165, 1316, 797, 1973, 3951]. **Medicine**

[2918, 3768, 2533, 3058, 3832]. **medieval** [3326]. **Medikonda** [3177]. **meditations** [4270]. **Mee** [4082, 3719]. **meeting** [75, 147, 180, 221, 289, 341, 48, 26, 98, 76]. **meetings** [163]. **Meets** [2472, 2534]. **Megascience** [2356]. **Meglicki** [2399]. **Mehlig** [4197]. **Mehran** [2497]. **Meirovitch** [4217]. **Meisel** [3438]. **Mekkaden** [2750]. **mekometer** [166]. **Melia** [2562]. **Melissinos** [3017]. **Melo** [4119, 2681, 2316]. **Melting** [2021, 1420, 608]. **Melville** [4206]. **members** [397]. **membranes** [3900, 1841, 1240]. **membranes-** [1841]. **memoir** [4117, 4132]. **memoirs** [811]. **Memorial** [2912, 2822, 1569, 3976]. **memory** [2059]. **memristors** [4227]. **MEMS** [3148]. **Mendel** [2747]. **Mendelssohn** [1034]. **Menon** [2597]. **Merches** [3554]. **Mercury** [4048]. **Meredith** [4275]. **merely** [1885]. **Merging** [2479]. **Meron** [3410]. **Merrill** [3085]. **Merritt** [3479]. **Mes** [3208]. **meson** [4173, 1978]. **mesons** [1995]. **Mesoscale** [2061, 3147, 2114, 3211]. **Mesoscale-Convective** [3211]. **Mesoscopic** [2806, 2605, 1712, 2048]. **Mess** [3484]. **MESSENGER** [4048]. **messengers** [4143]. **Messier** [3427, 4333]. **Mestel** [2907]. **Mestre** [4225]. **metabolism** [4179]. **Metaheuristic** [2784]. **Metal** [2032, 3275, 697, 1186, 2209, 777, 1641, 4272, 3530, 1385, 515, 731, 217, 1511]. **Metal-insulator** [697]. **Metal-nanoparticle** [3275]. **metal-semiconductor** [3530]. **Metallic** [990, 651, 677, 58, 1364]. **metallurgy** [584]. **Metals** [3083, 314, 824, 640, 913, 452, 1143, 788, 500, 131, 926, 320, 378, 638, 1431, 570, 483, 1210, 161, 174, 182, 190, 200, 2909]. **Metamaterials** [2791, 2817, 2458, 2412]. **metaphysical** [2090]. **Metaphysics** [4357, 3425]. **Metastable** [2128, 1105, 1898]. **metasurface** [4193]. **Metcalf** [3598]. **Meteorite** [2672]. **meteorites** [3648, 2906]. **Meteoroids** [4058]. **meteorological** [413]. **meteorology** [864, 1314, 2452, 337, 90]. **meteors** [4058]. **Method** [3909, 2347, 3093, 2549, 518, 532, 3819, 385, 736, 3219, 3774]. **methodologies** [4219]. **methodology** [3649]. **Methods** [2757, 3212, 2696, 3118, 3181, 2724, 2523, 3189, 2973, 2395, 3304, 2837, 2634, 3109, 3183, 2711, 2557, 2492, 3082, 2598, 4078, 3830, 1778, 3927, 3873, 2193, 3644, 482, 3900, 1276, 3809, 1886, 300, 4201, 3995, 4070, 3483, 3595, 3814, 3050, 2487, 2835, 2860, 3994, 3527, 4122, 2659, 3832, 3961, 3895]. **metre** [183]. **metric** [390]. **Metrology** [3105, 3145, 2038, 2217, 2446, 4193, 1610, 4203]. **meV** [2893, 4358]. **Mézard** [2400]. **MHD** [3233, 3519]. **Miake** [2313]. **Miao** [3542]. **Michael** [2463, 4293, 3663, 3105, 4295, 2702, 4098, 3113, 3459, 3783, 2724, 4114, 3234, 3106, 2760, 4080, 4166, 4253, 3575, 2938, 3151, 3713, 2536, 2832, 3443, 3624, 2650]. **Michel** [3370, 3287, 3374, 3446, 3666, 3346, 4265]. **Michele** [3179]. **Michelson** [260, 3997]. **Michio** [2523]. **Michler** [2344]. **Micro** [3252, 3942, 2733, 1249, 3611]. **micro-optics** [3611]. **micro-organisms** [1249]. **microanalysis** [1120]. **microbe** [3600]. **Microcavities** [3788]. **microcavity** [1922]. **Microdroplets** [2915]. **Microfabricated** [2640]. **micrographs** [615]. **Micromagnetism** [2522]. **Microparticles** [2787]. **microphysics** [3495, 3610]. **Microrheology** [3813]. **microring** [3743]. **microscale** [4087]. **microscope** [476, 845]. **Microscopic**

[2856, 2123, 492, 2416]. **Microscopy**
[1131, 2834, 4079, 2344, 4287, 1045, 1053, 2076, 2572, 3418, 3608, 1203, 91, 502, 2362, 1120, 1502, 217, 557, 1563, 1814, 3327, 2173, 2624, 4224, 3622]. **Microseisms** [431]. **Microstructural** [2410]. **Microstructure** [2522]. **microtron** [104]. **Microwave**
[1217, 1225, 2292, 2126, 508, 1811, 4157, 166, 3434, 4346, 3951]. **microwaves** [204, 210, 2048]. **mid** [2220, 3454]. **mid-infrared** [2220]. **Mid-Ocean** [3454]. **Middle** [3044, 2032]. **Miele** [3074]. **Miftahof** [4241]. **Miguel** [3185]. **Mike** [4016, 4098, 3614]. **Mikhail** [4130, 2902]. **Mikhailov** [2414]. **Miklós** [3247]. **Milani** [2526]. **Milano** [3119]. **Milburn** [3567, 2530]. **Miles** [2598]. **Milky** [3804, 3781]. **millennia** [2278]. **Millennium** [3215, 4133]. **Miller** [2874]. **Millimetre** [1233]. **million** [3797]. **millisecond** [1559]. **Mills** [2948, 56]. **Milner** [3754]. **Milonni** [4000]. **Milutin** [3126]. **Mimkes** [3248]. **Mind** [3472, 4308, 4149, 2408, 3690, 2350, 3167, 3403, 2917, 2768, 3637, 4149, 3406]. **Minds** [3378]. **mineralogists** [2472]. **Mineralogy** [2472]. **minerals** [493]. **mines** [2408]. **Minhaeng** [2555]. **Miniatura** [2846, 3659]. **Minimal** [2161]. **mining** [3577]. **miniscule** [1358]. **Minoru** [4281, 2982]. **Minos** [2200]. **Miret** [2979]. **Miret-Artés** [2979]. **misconceptions** [4270]. **misconstrued** [3654]. **Mishra** [2988]. **missed** [1905]. **Missing** [2354]. **mission** [3687, 4136]. **Mitescu** [3500]. **mitigation** [1067]. **Mitin** [2377]. **Mitschke** [2719]. **Mittal** [2712]. **Mittemeijer** [3050]. **mixtures** [595, 1942]. **MKS** [374]. **Mlodinow** [4117]. **mobi** [4281]. **mobility** [1107]. **Mode** [3202]. **Mode-coupling** [3202]. **Model** [988, 2744, 2322, 3048, 2631, 1913, 1412, 1049, 4177, 3769, 1192, 2215, 1988, 202, 4307, 1804, 3731, 3316, 2595, 3783, 3430, 3847]. **Model-making** [988]. **Modeling** [2794, 2660, 2354, 2782, 2556, 2712, 4292, 3936]. **Modelling** [2123, 3450, 2762, 3033, 3147, 2807, 3067, 2347, 2061, 4314, 4198, 3895, 3686, 711, 2223, 3803, 1684]. **Models** [3142, 2816, 3070, 3082, 1091, 3652, 2408, 2343, 3589, 1278, 4111, 2554, 2816, 2689, 3539, 3562, 3927, 3867]. **Modern** [3393, 522, 2615, 2742, 423, 1555, 3144, 3092, 2937, 4360, 2533, 4190, 1542, 3280, 1617, 3108, 2299, 2465, 2855, 3090, 378, 3063, 2705, 3471, 3441, 2951, 1431, 1610, 2669, 2319, 1263, 2264, 254, 4232, 4032, 3945, 578, 4072, 4317, 3671, 2201, 2519, 917, 3525, 2263, 4200, 3905, 3831, 4129, 288, 120, 4176, 4184, 3731, 4129, 2502, 2346, 3237, 4134, 4001, 2706, 3050, 4097, 2818, 3166, 3063, 3183, 3864, 3404, 3890, 4147, 3110]. **modernity** [4100]. **modes** [3175]. **modified** [2181, 4108]. **modifying** [2463]. **modular** [3358]. **modulation** [3812]. **Moe** [3075]. **MoEDAL** [3570]. **Moggi** [3648]. **Mohammad** [3073, 3098]. **Mohapatra** [4155, 2322]. **Mohsen** [2677]. **Moiseyev** [2759]. **Molecular** [2883, 2788, 675, 2927, 2205, 2991, 2, 1475, 1503, 3446, 2062, 3065, 1323, 1635, 1913, 1379, 152, 3223, 3706, 2963, 761, 3359, 2129, 2408, 3563, 470, 3832, 4112, 4245, 4260, 1817, 202, 2829, 3940, 3348]. **molecule** [4110, 2108, 917]. **Molecules** [4303, 2749, 660, 3446, 2745, 1659, 50, 4118, 1657, 1879, 1994, 1112, 989, 2096, 3563, 1065, 1151, 3487, 4022, 4194, 3964, 4260, 893, 3852, 3598, 3344, 4110, 3631, 555, 4116]. **Molle** [3666]. **Molloy** [2598]. **moment** [664, 781, 2275]. **Moments** [2347, 790, 1948, 2694].

Momentum [2374, 3087, 881, 414, 1670, 2629]. **Mompart** [3047]. **MOND** [2181]. **Mondal** [3608]. **money** [1918]. **monitoring** [3331]. **Monk** [3102]. **monodromy** [3223]. **Monograph** [4079, 2921, 4078, 4060, 4106, 2686, 2883, 3157, 3395, 3368, 2462, 2661, 2786, 2756, 2667, 2374, 4241, 2560, 2555, 3022, 3506, 2897, 2648, 2583, 2911, 3241, 2851, 2659, 2593, 2949, 3011, 4254, 2335, 2334, 2522, 2715, 2774, 3029, 3124, 3313, 4056, 4206, 2411, 3376, 4231, 3384, 2350, 2545, 2495, 2856, 3010, 4069, 4191, 2293, 2412, 2757, 3038, 3095, 3247, 4061, 3442, 2823, 2939, 3373, 4209, 2673, 2838, 2836, 3194, 3179, 3353, 3408, 3499, 4272, 2428, 2696, 2775, 3207, 2504, 2621, 3152, 3168, 2735, 2872, 3502, 4155, 4248, 2906, 2342, 2421, 2847, 3105, 3245, 3165, 2999, 2561, 2845, 2806]. **monograph** [2930, 4198, 4163, 2529, 2625, 2537, 2777, 2794, 2776, 3118, 2965, 3279, 3450, 4257, 4259, 4295, 2702, 2429, 2660, 2800, 2954, 3204, 2601, 2887, 2979, 3205, 3184, 3007, 3057, 3044, 3074, 3016, 2996, 3268, 3266, 3394, 3364, 3422, 2289, 2313, 2457, 2597, 2489, 2674, 2566, 2609, 2528, 2816, 2918, 3013, 3099, 4187, 4283, 2538, 2709, 2783, 3131, 3244, 3196, 3369, 3270, 3453, 3431, 3374, 2562, 3034, 3071, 3169, 2431, 2524, 2716, 2891, 3363, 3399, 3510, 3421, 3497, 2353, 3382, 2703, 2808, 3354, 4107, 2539, 2351, 2461, 2474, 2354, 2476, 2438, 2616, 2644, 2493, 2525, 2902, 3263, 3283, 3187]. **monograph** [3182, 3340, 3423, 3454, 3460, 3026, 3003, 2680, 2692, 2797, 3162, 2738, 3078, 4158, 2594, 2899, 2773, 3027, 2395, 2427, 2543, 3084, 2998, 4200, 3430, 3125, 3218, 3310, 4164, 2681, 2744, 2869, 3070, 2652, 3276, 3103, 2295, 2434, 2778, 4197, 3209, 3213, 2815, 3094, 3332, 2924, 2880, 3172, 3409, 4054, 4053, 4080, 4234, 2393, 2974, 3413, 3490, 2521, 2722, 3402, 2389, 2410, 2546, 2416, 2419, 2695, 2510, 2833, 2711, 3414, 3380, 4255, 4219, 4276, 2759, 3346, 2717, 2557, 2608, 2315, 2316, 2376, 2331, 2378, 2592, 2925, 2720, 2804, 2879, 2888, 2805, 3059, 3146, 3319, 3362, 3339, 3404, 3391]. **monograph** [3410, 3482, 3441, 3481, 3434, 3483, 3439, 3504, 3433, 3503, 4065, 4064, 4220, 2723, 2468, 2501, 2540, 2530, 2793, 2758, 2424, 2398, 2400, 2368, 2451, 2369, 2423, 2619, 3217, 3278, 3508, 2503, 2417, 3136, 2321, 2618, 2826, 2968, 4059, 2683, 2831, 2894, 3032, 2599, 2665, 2470, 2613, 2591, 2559, 2663, 2802, 2956, 2721, 2957, 2710, 2736, 2827, 2832, 2928, 3134, 3069, 3110, 3085, 3042, 3338, 3306, 3372, 3443, 3475, 3474, 3495, 4116, 4067, 4215, 4233, 3397, 3300, 4111, 4168, 2547, 2920, 2882, 2852, 2586, 4243, 2704, 2450]. **monograph/essay** [2710]. **monograph/general** [2906]. **Monographs** [3116, 4061, 3421]. **monolayers** [1186]. **monopoles** [2761]. **Monsoon** [2376]. **Montanari** [2400]. **Montani** [2741]. **Monte** [3927, 2860]. **Montwill** [2411, 2933]. **Moo** [3318, 3609]. **Moo-Young** [3318, 3609]. **Moon** [1974, 672, 2299, 3066, 3870, 840, 435]. **Moore** [2463, 3043]. **Morette** [2301]. **Morf** [3015]. **Morfill** [3276, 2652]. **Morimoto** [2782]. **Morin** [3115]. **Morishita** [3404]. **Morley** [3997]. **Morowitz** [3597]. **Morrison** [3478]. **Morton** [2980]. **Moshe** [3280, 2951]. **Moshkalev** [3059]. **Mössbauer** [760, 1881, 490]. **most** [3739]. **Motion** [2867, 1581, 339, 355, 3328, 59, 1476, 1151, 385, 2088, 4172, 1737, 3100]. **motion-robust** [3328]. **Motives** [2583]. **Motohiro** [3544]. **Motoichi** [3353].

motor [2304, 2123]. **motors** [2131, 3584]. **Mott** [3255, 1757]. **Mou** [3720]. **Mou-Hsiung** [3720]. **movement** [4219, 611, 2417]. **moves** [1914]. **Moving** [2123, 1923, 457, 61, 1658]. **Mozer** [3677]. **Mr** [2864, 2908]. **MRI** [3088]. **Mrs.** [2491]. **MSc** [2743, 2739]. **Mu** [3560]. **Mu-Lin** [3560]. **much** [919, 981]. **Mudry** [3491]. **Muhammad** [3073, 4254]. **Mukhanov** [2425]. **Mukhopadhyay** [4251]. **Mullan** [2559]. **Mullaney** [2505]. **Mullard** [255]. **Müller** [2774, 2760, 2995, 3310, 2391, 2510]. **Müller-Kirsten** [2995, 2391, 2510]. **Mullin** [3694]. **Mullylä** [2804]. **multi** [4242]. **multi-purpose** [4242]. **Multidimensional** [2624]. **multidisciplinary** [3572]. **Multilayered** [1537, 3672]. **multilayers** [1666, 1515]. **Multiphase** [3402]. **multiphonon** [1089]. **Multiphoton** [1379, 934]. **Multiple** [989]. **Multistep** [1400]. **Multiverse** [2459, 4127, 3469, 3521]. **MULTIverses** [2814]. **Multiwavelength** [3049]. **Muni** [3786]. **Munk** [2412]. **Muon** [1479, 781]. **Muons** [3015, 2094, 1862]. **Murdoch** [3205]. **Murugan** [2984]. **Musazzi** [3646]. **music** [4286, 1590, 4244, 3357, 2462, 2520]. **Musical** [969, 1887, 399]. **musicologists** [2474]. **musicum** [2553]. **Musings** [3100]. **Muslim** [2870]. **MXene** [4227]. **MXene-based** [4227]. **my** [2034, 3935, 3702, 965]. **Myers** [3618, 2980]. **myPrint** [4281]. **Myridis** [3432]. **Myron** [3139]. **mysteries** [3913, 2576, 3594, 4059]. **mysterious** [3650]. **Mystery** [2321, 4082, 239]. **mystique** [1995]. **Myth** [2321, 1672].

N

[2788, 3719, 4082, 4241, 2949, 3716, 3644, 2545, 3412, 4221, 2673, 3628, 3652, 4155, 2806, 3054, 4024, 2850, 4040, 4042, 4091, 2609, 3810, 2438, 3819, 4019, 4249, 3526, 2419, 2322, 2310, 2317, 3255, 2259, 2807, 2665, 3039, 2547, 1146]. **N.W.2** [89]. **N.Y.** [137]. **N00N** [2217]. **Nadeau** [2837]. **Nadi** [3063]. **Nag** [4251]. **Nahar** [2788]. **Nahin** [2491]. **Naim** [3645, 3654, 2619]. **Nakariakov** [3007]. **naked** [3477]. **Nanda** [4272]. **Nandini** [3230]. **Nano** [3353, 3024, 3293, 2378, 2128, 2733, 3537, 3036, 3584, 3714]. **Nano-Electro-Optics** [2378]. **nano-electromagnetics** [3714]. **nano-grenades** [2128]. **Nano-Mechanics** [3024]. **nano-motors** [3584]. **Nano-optics** [3353, 3537, 3036]. **Nano-optomechanics** [3293]. **Nanoantenna** [3408]. **nanoapplications** [3819]. **Nanochemistry** [2529]. **Nanocomposite** [2771]. **Nanocomposites** [2767]. **Nanocomputing** [2777]. **Nanocrystals** [4303, 4022]. **nanodevices** [4346, 3434]. **Nanoelectromechanical** [2136]. **Nanoelectronics** [3301, 2785, 2377, 2628, 3666]. **Nanofabrication** [2799, 3059]. **nanofibers** [4235]. **Nanoguides** [2879]. **Nanoimaging** [2720]. **Nanomagnets** [1896]. **Nanomaterials** [3051, 2836, 3265, 4081, 4242, 2988, 2800]. **Nanomechanics** [2925]. **Nanomedicine** [2836]. **Nanometrology** [2230, 2919]. **nanoparticle** [3275, 2224]. **Nanoparticles** [2880, 4180, 3293]. **nanophotonics** [3772, 3353, 2563, 3977]. **nanoprobes** [3629]. **Nanosatellites** [3571]. **Nanoscale** [3047, 2773, 2834, 4346, 2304, 3961, 2233, 3352, 3760, 2015, 3122, 3433, 2503, 4162, 3712, 3434]. **Nanoscience**

[2749, 2777, 3488, 2234, 3674, 2402]. **Nanoscopy** [2624]. **Nanosensors** [2836, 3179, 3062, 2853]. **Nanostructures** [3003, 3696, 4260, 3672, 2787, 3530, 3742, 3898]. **nanosystems** [4318, 2836, 3439]. **Nanotechnology** [1905, 2798, 3177, 3982, 4199, 2795, 3493, 2777, 3488, 3674, 4254, 3194]. **Nanotube** [2838, 1841]. **nanotubes** [1956, 2332, 3033, 3544, 3501]. **nanowires** [4220, 3674]. **Naoki** [4220]. **Nappi** [3204]. **Narayanan** [3543, 2750]. **Narayani** [2712]. **Narlikar** [2343, 2916, 2531, 3474]. **narrow** [679]. **NASA** [4136, 1098]. **Nastase** [4002, 3592]. **Natale** [3207]. **National** [145, 468, 3206, 108, 142, 364, 365, 195, 219, 256, 262, 265, 406, 242]. **Natural** [2333, 2451, 3379, 3766, 3520, 932, 1841, 880, 1570, 577, 4243, 3803]. **Nature** [3290, 2056, 3425, 4154, 2228, 4357, 4148, 3163, 3375, 4159, 4160, 3243, 3414, 4208, 4171, 2558, 4145, 3834, 4106, 2099, 3878, 2081, 487, 993, 4027, 732, 1926, 718, 3597, 1123, 1111, 3543, 124, 1073, 4256, 3496, 4276, 4004, 3163, 3777]. **Navarro** [4100]. **Navier** [3573]. **navigation** [340, 337]. **navigational** [3251]. **Nazarov** [3076, 2402]. **near** [1430, 3159, 1326, 1028]. **near-field** [3159]. **Nearest** [3400]. **Necessity** [3399]. **Need** [4310, 1014, 1409, 3459, 2886]. **Needs** [4337, 3752, 83, 3871, 3333]. **Negative** [2394, 542, 2093, 2270, 229, 1107, 2269]. **Neiner** [2501]. **Neiner/Physics** [2501]. **Nellis** [2969]. **Nelson** [380, 291, 4292, 2891]. **Nematic** [861]. **Nenad** [3148]. **Nenadic** [3148]. **Neoncinegraphy** [539]. **Neptunes** [2190]. **net** [2735]. **network** [3503]. **Networks** [3471, 2113, 2762, 3789, 3665, 4197, 1248, 3814, 2352, 2657, 3031]. **Netzer** [3266]. **Neuenschwander** [3574, 3485, 2683]. **Neunenschwander** [3817]. **neural** [2325, 4197, 1248, 2285]. **neuroimaging** [4236]. **neuromorphic** [4227]. **neutral** [123, 623]. **Neutrino** [1152, 2199, 122, 1734, 2812, 4155, 2120, 1160, 3074, 2612, 2877, 2701]. **Neutrinos** [762, 2322, 3136, 1523, 2597, 3032]. **Neutron** [1137, 2955, 1187, 3321, 386, 401, 1530, 1303, 2633, 1149, 3236, 1512, 3835, 749, 283, 664, 924, 2355, 1076, 4288, 71, 3590, 1414, 1650, 1722, 2674, 3510, 3863, 3267]. **Neutrons** [2355, 3015, 566, 21, 32, 1039, 830]. **never** [2772]. **Nevill** [1757, 2769]. **newcomer** [2394]. **Newman** [4027, 3096, 3595]. **Newton** [3093, 3270, 2864, 2983, 3575, 3381, 1643, 1688, 1834, 1273, 1150, 1272, 1190, 1864, 2437, 3878, 4027]. **Newtonian** [2911, 2181, 360, 370]. **Next** [2626, 4028, 3174, 3590]. **Ng** [2943]. **Ni** [3585]. **Nian** [2756]. **Nicholas** [4275, 3113, 2920]. **Nicholls** [3699]. **Nick** [3274, 2581]. **Nicolas** [3772]. **Nicole** [2880]. **Nicosia** [3814]. **Niels** [3425, 1412, 4073, 3048]. **Nielsen** [2656]. **Nigel** [865]. **Night** [2439, 3151]. **Niklas** [2910]. **Nikolay** [3460]. **Nikolova** [2429]. **Nikonov** [3218]. **Nikos** [3051]. **Nikuni** [2580]. **Niles** [3483]. **Nils** [2740]. **Nimrod** [2759]. **NINA** [437]. **Nineteenth** [2887]. **Nino** [4154]. **ninth** [3647, 415]. **Nipoti** [4146]. **Nir** [3110]. **Nishimori** [2729]. **Nishinaga** [3626]. **NIST** [2632]. **Nitant** [4219]. **Nittler** [4048]. **NJ** [4132, 4120, 4273, 3945, 4235, 4274, 4292, 4200, 4205, 3995, 4167, 3337]. **NMR** [1226, 3373]. **No** [159, 554, 4359, 3419, 3129, 623, 637, 2057, 4023].

Noakes [1497]. **Nobel** [2870, 965, 3432, 4200, 4151, 4205, 4355, 2082, 945, 3337, 2082, 3337]. **Noble** [545]. **Nobuhiko** [3439]. **Noce** [4147]. **Noether** [3817, 2683]. **Nogué** [2779, 2779]. **Noise** [1474, 2466, 2733, 2016, 1807, 2116, 2833]. **Noise-Induced** [2833]. **Noisy** [2331]. **Noll** [3531]. **Nolte** [3471]. **Non** [3333, 2290, 4278, 2734, 88, 3125, 2824, 626, 1855, 3255, 2369, 1691, 310, 3318, 4211, 4286, 2989, 2296, 1754, 2851, 2843, 677, 2912, 3056, 1241, 1247, 3349, 3137, 3095, 3035, 3150, 916, 2838, 3104, 2988, 3444, 3152, 4155, 2406, 1229, 2684, 3496, 2542, 3407, 3262, 3163, 2033, 3121, 3128, 3018, 3210, 2473, 3415, 3445, 4186, 1254, 3283, 3423, 2688, 2916, 2748, 3206, 506, 4200, 4205, 3234, 2908, 2515, 2778, 3066, 2443, 3014, 2717, 3225, 3461, 2582, 2913, 2789, 2826, 2986, 2219, 3178, 3134, 2048, 2964, 2160, 2650, 2610, 2769, 4254, 2057, 3139, 3038, 3370, 3843, 2622, 2759, 2540]. **Non-additive** [626]. **non-classical** [2048]. **Non-collinear** [4278]. **non-computable** [2033]. **Non-crystalline** [3255, 1254, 506]. **non-destructive** [2515]. **Non-diffracting** [3370]. **Non-Equilibrium** [2290, 2824, 2369, 2406, 2219, 3038]. **non-experts** [3206]. **Non-Fermi** [1855]. **Non-Hermitian** [2759]. **Non-linear** [2734, 88, 310]. **Non-local** [1691]. **non-locality** [2160]. **non-metallic** [677]. **Non-Perturbative** [3125, 2622]. **Non-relativistic** [3843, 2540]. **non-Rydberg** [916]. **non-science** [2473]. **Non-Scientist** [3139]. **non-scientists** [1754]. **non-specialist** [2296, 1241, 1247, 2838, 1229, 2443, 2057]. **Non-specialists** [3333, 3318, 4211, 4286, 2989, 2851, 2843, 2912, 3056, 3349, 3137, 3095, 3035, 3150, 3104, 2988, 3444, 3152, 4155, 2684, 3496, 2542, 3407, 3262, 3163, 3121, 3128, 3018, 3210, 3415, 4186, 3283, 3423, 2688, 2916, 2748, 4200, 4205, 3234, 2908, 2778, 3066, 3014, 2717, 3225, 3461, 2582, 2913, 2789, 2826, 2986, 3178, 3134, 2964, 2650, 2610, 2769, 4254]. **nonadditive** [3221]. **Nonautonomous** [3340]. **Noncircular** [2766]. **Nonequilibrium** [3132, 2416, 3820, 3090, 3831]. **Nonlinear** [2067, 3368, 2614, 2840, 1887, 2541, 3024, 2571, 2416, 2752, 2015, 3796, 2573, 2733, 4281, 1474, 3770, 3466, 1635, 3812, 4088, 3619, 3343, 3678, 2711, 2592, 3391, 3410, 3537, 3566]. **nonlinearity** [1326, 2208]. **Nonlocal** [4043]. **Nonperturbative** [2609]. **nonrelativistic** [3704]. **nonsense** [3848]. **nonspecialist** [2191]. **nonspecialists** [3329]. **Norbert** [4158]. **Nordlund** [2844]. **North** [2299]. **Norton** [2620]. **Norval** [4256]. **Norwich** [147]. **note** [545]. **Notebook** [3343]. **Notes** [2886, 583, 2760, 2846, 3772, 3491, 295, 3836]. **Nothing** [1263, 2264, 4194, 2263, 2426]. **Notice** [2111, 1962, 2139, 2324]. **Notices** [1868, 947, 957, 974, 986, 996, 1004, 1017, 1032, 1061, 1087, 1320, 1330, 1345, 1353, 1361, 1368, 1376, 1383, 1397, 1447, 1492, 1499, 1612, 1860, 1877, 1890, 1909, 1930, 1940, 1986, 2091, 2105, 2118, 2144, 2323, 2477]. **Notions** [1002]. **Nottingham}** [554, 338]. **Nouredine** [2579]. **Novel** [3033, 2096, 4258, 3629, 3187, 3402]. **November** [1136, 50]. **Novotny** [3036]. **Noz** [4067]. **NPL** [166]. **NTT** [1516]. **nucléaire** [366]. **Nuclear** [1578, 145, 1735, 1155, 3875, 1501, 1276, 1934, 925, 4310, 1879, 872, 1624, 1866, 1080, 1381, 1573, 1665, 359, 369, 1175, 2674, 2816, 2706, 2035, 1104, 3416, 1885,

972, 499, 2445, 129, 738, 4341, 2310, 4342, 2507, 1527, 827, 1336, 834, 498, 1913, 4010, 143, 4211, 631, 1206, 1723, 4030, 1068, 319, 51, 1400, 1486, 2024, 2384, 3459, 3754, 193, 3810, 122, 1886, 839, 2027, 3206, 4159, 820, 853, 1421, 2236, 3228, 4174, 3829, 4168, 76, 3322, 4204, 1069, 2566, 2918, 2330, 3206, 2390, 4207]. **nucleation** [999, 1008]. **Nuclei** [927, 319, 2923, 1641, 21, 32, 1879, 1178, 1348, 1465, 2514, 1436, 170, 1958, 3266, 3094, 3479]. **nucleon** [762]. **nucleosynthesis** [4174, 2620, 3586]. **nucleus** [3, 959, 129]. **number** [2337, 1422, 1427, 4029]. **Numberland** [2496]. **numbers** [3704, 2373]. **Numerical** [2781, 2757, 1310, 2976, 3185, 2956, 4108, 2223, 2794, 2649, 2653, 3483]. **Nunes** [3122, 2566, 3712]. **nutshell** [3625, 1100, 3972, 3155, 2978, 2666, 3769, 4131, 3621]. **NY** [4206, 3459, 3421]. **Nyiri** [3218, 2822].

O [2781, 2421, 1092, 3184, 2674, 2387, 4180, 3303, 3492, 2365, 2682, 2245, 2946, 2744, 2972, 2500, 4096, 2468, 2492, 2736, 3798, 4058, 3594]. **O.E.E.C.** [69]. **O.M** [1136]. **Obituary** [796, 899, 976, 2324]. **object** [4267]. **object-oriented** [4267]. **Objectives** [237]. **Objects** [4333, 457, 4238, 3427, 2441, 3668]. **obscure** [3525]. **observation** [845, 2343, 396]. **Observational** [954, 1749, 752, 4108, 3643, 4150, 3722, 2591]. **observations** [574, 604, 1714, 1472]. **Observatory** [255, 793, 3886]. **Observer** [3035, 3160]. **observer-centric** [3160]. **Observing** [1731, 1874, 3192, 1151, 3478, 572, 2439, 2302, 2299]. **obtained** [3938]. **occasion** [3681]. **occurrence** [1596]. **occurs** [623, 637]. **occurs-symmetrical** [637]. **Ocean** [1236, 3284, 1699, 423, 482, 743, 3765, 3656, 3454]. **Oceanic** [2484]. **oceans** [1595]. **Ochkin** [2547]. **Ockendon** [2488]. **Octave** [3541]. **Odagiri** [3103]. **Odd** [3262]. **Odelin** [2921]. **O'Donnell** [3552]. **Odyssey** [3516, 4030]. **Oertzen** [1069]. **off** [800]. **off-centre** [800]. **Offbeat** [4270]. **Office** [89, 277, 413]. **Offworld** [2449]. **OH** [3203]. **Ohanian** [3437, 3153]. **Ohlsson** [2801]. **Ohtsu** [3353, 2378]. **Ohya** [2945]. **Oil** [808, 914, 2789]. **Okubo** [3409]. **Okun** [2989]. **Olaf** [3104]. **Olafsen** [2616]. **Old** [2690, 3443, 2216, 1917, 4353]. **Ole** [3338]. **O'Leary** [2512, 2590]. **Oleg** [4231]. **Olfaction** [2602]. **Olindo** [3278]. **Oliphant** [662]. **Oliveira** [2561]. **Oliver** [3618, 2845]. **Olivier** [2887, 3213]. **Ollivier** [2476]. **Olmes** [3623]. **Olshanii** [3311]. **Olver** [2632]. **O'Meara** [2439, 3192, 3668]. **on-orbit** [3886]. **Once** [2008, 1543, 1183]. **Oncology** [2876]. **One** [1672, 4340, 2316, 1292, 3953, 2021, 4155, 237, 245, 3532, 4166, 3314, 3876]. **one-body** [4166]. **One-Dimensional** [2316, 1292]. **oneness** [3227]. **Ong** [2850]. **ongoing** [3327]. **Online** [4142]. **Onofrio** [3634]. **ontology** [3811]. **open** [4139, 2085, 89, 195, 242, 256, 262, 265, 278, 277, 365, 334, 406, 713]. **Opening** [77]. **operation** [201]. **Operational** [801, 792, 1091]. **operative** [740, 1249]. **operator** [2446]. **Operators** [2370]. **ophthalmic** [4032]. **Oppenheimer** [1092, 3102, 1092, 4329, 4345, 3102, 2191]. **Opponents** [3363].

Opportunities [1905, 3267, 3418, 3331, 3465, 4186]. **optic** [909, 683, 3362, 1191, 3862]. **Optical** [54, 937, 1191, 2614, 2555, 3022, 1820, 2828, 3116, 4103, 2636, 4306, 2085, 3083, 3105, 3165, 2541, 1385, 3407, 1326, 2107, 772, 2820, 1170, 2327, 470, 3424, 1831, 2288, 2005, 3145, 2273, 1438, 2624, 1517, 258, 2725, 2378, 2804, 3434, 2470, 1922, 2486, 3629, 2217, 3328, 3159, 2446, 3496, 831, 236, 1486, 1594, 438, 3697, 1606, 2055, 1079, 1635, 3482, 3504, 3745, 1272, 4346, 2326, 1817, 1516, 2667, 2485, 4183, 2791, 4006, 2703, 3367, 2998, 3634, 3156, 2717, 2557, 2804, 3673, 3743, 2598, 2787]. **Optically** [818, 3293, 4236, 2783]. **Optically-detected** [818]. **Optics** [2686, 96, 4360, 3323, 2887, 3145, 2835, 2378, 2719, 2888, 3441, 2723, 310, 1634, 3326, 3953, 2067, 2128, 4202, 4232, 3290, 3619, 3772, 4139, 3365, 4000, 3353, 3499, 2233, 4193, 1979, 1399, 3130, 963, 3770, 2571, 1813, 1959, 3582, 3864, 1743, 2069, 3391, 3537, 3536, 3555, 1193, 2454, 3775, 745, 1516, 3388, 2015, 3746, 3368, 2385, 3011, 3036, 2678, 3262, 3019, 1140, 2627, 2805, 2589, 2638, 2398, 2388, 3397, 2752, 3796, 3522, 4032, 3661, 3682, 4020, 4170, 3565, 3534, 3611, 3701, 4092, 2800, 3953]. **optimal** [2235]. **Optimisation** [2784]. **Optimization** [2170, 2685, 2757, 2743, 2739]. **option** [4010]. **opto** [771]. **opto-electronics** [771]. **optoacoustic** [933]. **Optochemical** [3179]. **Optoelectronic** [2567, 2660]. **Optoelectronics** [1727, 4360, 2372, 3145, 3441, 2538]. **Optogalvanic** [1056]. **Optomechanical** [3165]. **Optomechanics** [3165, 3293, 3567]. **Opus** [2553]. **Orazi** [3784]. **Orbit** [2526, 4119, 3886, 59, 1560]. **Orbital** [2629, 2966]. **orbits** [102, 1190]. **Order** [2897, 4325, 2493, 1562, 782, 4149, 1129, 13, 61, 133, 4175, 2614, 3139, 3298]. **ordered** [935]. **ordering** [1441, 665]. **orders** [3926]. **ordinary** [2549]. **Organic** [824, 2795, 1139, 3632, 3888, 1993, 4252, 2909]. **Organised** [3070]. **organisms** [1249]. **organization** [358, 4]. **organizations** [2025]. **Organized** [2461, 2998]. **oriented** [4267]. **Origin** [1501, 2539, 1460, 2575, 2826, 710, 2252, 1623, 3801, 134, 2251, 3597, 218, 4280, 345, 2165, 2335, 4123]. **Origins** [2565, 2970, 3129, 1340, 3423, 792, 3844, 2473]. **Orio** [3075]. **Oriols** [3047]. **Oriti** [2431]. **Orloff** [2388]. **Ortiz** [2729]. **oscillating** [817]. **oscillation** [2120]. **Oscillations** [3007, 3272, 1152, 1956, 398, 3543, 3476, 3199]. **Oscillators** [3024, 3820, 3466, 2060]. **Oscillatory** [2325, 3476]. **Ostoja** [4061, 2410]. **Ostoja-Starzewski** [4061, 2410]. **Otaniemi** [834]. **Other** [2491, 4300, 2774, 3403, 2509, 3448, 2675, 3828, 3918, 1879, 2519, 2096, 3358]. **Otmar** [2973]. **Ott** [2858, 3348]. **Öttinger** [4072]. **Otto** [3482]. **Our** [3308, 3302, 3405, 3136, 4348, 2970, 3378, 4351, 3333, 810, 3290, 3869, 1799, 2211, 4274, 3400, 4037, 3423, 4200, 4340, 3702, 3876, 3958, 2814, 3085]. **Ours** [3415]. **Outline** [3375, 2560]. **outlook** [4108]. **Overdamping** [2179]. **Overduin** [4121, 2450]. **overview** [2296, 2486, 2184, 2054, 2268, 3206, 2231, 2326, 3792, 2921, 2267]. **Owen** [3651]. **Owens** [3013]. **own** [2228, 4285]. **Oxford** [4016, 4137, 4082, 4038, 4000, 3091, 3748, 4073, 4027, 4100, 3142, 2057, 4291, 4285, 4178, 4198, 4156, 4203, 4162, 4025, 4043, 4041, 3459, 4187, 3312, 4097,

4017, 3026, 4158, 2455, 4282, 4276, 4199, 4266, 3505, 4064, 3147, 4109, 4175, 1459, 1217, 1225, 819, 2871]. **Oxfordshire** [4274]. **oxide** [4242, 4180]. **oxides** [4272, 2774]. **Ozima** [2982]. **Ozin** [2529]. **Ozone** [178, 3520, 1788, 3520]. **ozone-** [1788].

P [3807, 3520, 3741, 3790, 3774, 4225, 3559, 2296, 3796, 3699, 3700, 4038, 4000, 3710, 3656, 2795, 2727, 3412, 2057, 3538, 2988, 3628, 3212, 3193, 2872, 3758, 4248, 2301, 1092, 4026, 4148, 4198, 3809, 4259, 4270, 2302, 2429, 3054, 3999, 4008, 3341, 3669, 3576, 3689, 4037, 4040, 4015, 2289, 3661, 2820, 2333, 2396, 2724, 2898, 2300, 4097, 2435, 2623, 2351, 2881, 3768, 2512, 3653, 4200, 4151, 4205, 3065, 2689, 2873, 2914, 2818, 2869, 4121, 3683, 3735, 4020, 2676, 3239, 3414, 3803, 2608, 2629, 3141, 3567, 3788, 2501, 2370, 2488, 3713, 2822, 2454, 2599, 2453, 2710, 2970, 3069, 3535]. **P** [3684, 4175, 3039, 3519, 3685, 2358, 2420, 2450]. **P.** [694, 1359, 2527, 2596]. **pack** [3988, 4316]. **packet** [1994]. **packets** [1518, 1541]. **Packing** [2334]. **Padgett** [2598]. **Padmanabhan** [2617]. **Paech** [3066]. **Page** [2435, 4201]. **pages** [4210, 4052, 4146, 4169, 4170]. **Paget** [796]. **pair** [4050, 376]. **Pairing** [2330]. **pairs** [2055, 1073]. **Pais** [1165]. **Palmer** [3790]. **Pankaj** [3477]. **Panofsky** [2257]. **Panos** [4244]. **Panton** [3429]. **Paola** [3375]. **Paolo** [3711, 3207, 3004, 2833, 4145]. **Papen** [4060]. **paper** [3463, 133]. **Paperback** [4085, 4105, 4283, 4054, 4266, 4132, 4016, 4211, 4268, 4140, 4296, 4206, 3425, 4073, 4182, 4184, 4191, 4113, 4183, 4084, 4190, 4156, 4269, 4270, 4295, 4025, 4046, 4024, 4294, 4097, 4292, 3423, 4112, 4114, 4115, 4160, 4151, 4218, 4022, 4053, 4070, 4167, 3337, 4095, 4065, 4086, 4216, 4034, 4059, 4175, 4258, 4111, 2041, 2908]. **paperback/hardback** [4140]. **Papers** [291, 380, 2387, 3551, 739, 1272, 3490]. **Paradigm** [2403, 3279, 3359, 3078]. **paradigm-shift** [3078]. **paradigms** [1907, 2685]. **Paradox** [1808, 4309, 3780, 4195, 1880, 4003]. **Paradoxes** [4349, 1907, 1967, 3815, 2964, 3845]. **paradoxical** [2088]. **parallel** [1365, 1371, 942, 1591]. **Paramagnetic** [3026, 347]. **Parameter** [4053]. **parameters** [1677, 1480, 4175]. **parametric** [3822]. **Parasuraman** [3653]. **paraxial** [745]. **Pareto** [2142]. **Paris** [366]. **Parisi** [4210, 3282]. **parity** [2446]. **Park** [334, 4302, 2772]. **Parker** [2524, 3716, 2520]. **Parliament** [293, 292]. **Part** [2241, 1466, 1472, 3366, 2682, 175, 1365, 1371, 1241, 1247, 1045, 1053, 999, 1008, 245, 359, 369, 401, 1171, 847, 857, 558, 559, 699, 150, 1622, 1217, 1225, 1422, 1427, 21, 32, 360, 370, 132, 153, 237, 386, 204, 210, 322, 651, 11, 34, 698, 1278, 1282]. **Partha** [3608]. **Parthasarathy** [4274]. **Partial** [2543, 2653]. **Particle** [3350, 604, 3017, 3237, 3349, 4358, 3317, 2489, 1902, 3382, 1108, 2881, 3216, 1097, 2258, 2744, 2855, 1959, 2595, 3465, 299, 2390, 2631, 2758, 2388, 141, 4211, 3509, 3250, 1469, 1875, 4045, 3913, 4028, 4155, 1229, 3547, 1542, 1770, 2366, 2024, 1001, 3754, 2519, 1255, 354, 2244, 1064, 2243, 3510, 2959, 552, 2647, 1214, 3863, 3731, 3667, 3818, 3847, 1481, 3593, 1054, 1734, 2986, 2564, 2662, 2257, 3442, 4173, 4158, 3218, 3613, 2630]. **particle-physics-and-nuclear-physics** [4211]. **Particles**

[113, 1318, 3381, 1488, 2771, 3382, 3015, 2744, 2938, 3191, 2569, 416, 927, 296, 2480, 951, 3801, 3787, 197, 4087, 2148, 4121, 4075, 267, 46, 2240, 1948, 1380, 478, 22, 2497, 3053, 2608, 2239, 3656, 4018]. **particular** [1068]. **Partridge** [2435]. **parts** [2886, 2371]. **party** [4192]. **Pasachoff** [3215, 3400]. **Pascal** [2920]. **Paschos** [2685, 2743, 2739]. **Pask** [3270]. **Pasquale** [3207]. **Passion** [2849]. **Past** [3399, 667, 2211, 1302, 4340, 2031, 3876]. **Pastor** [3074]. **Patents** [3006]. **Pater** [3238]. **Path** [1402, 2995, 2291, 3931, 4262, 3123, 3527]. **Pathria** [2676]. **Paths** [3075]. **Patrick** [3503, 3702]. **Pattern** [2485, 3360, 1422, 1427, 212]. **Pattern-formation** [3360]. **patterning** [1622]. **Patterns** [2116, 1782, 3462, 2016, 4336, 2259, 1199, 2260]. **Paul** [3480, 2491, 3425, 3095, 2672, 3373, 3092, 2678, 3283, 2464, 3529, 3129, 4168, 2103]. **Pauli** [2057, 4359, 356, 2057]. **Pauline** [3731]. **Paulo** [3507]. **Pavel** [2619]. **Pavesi** [2396, 3481]. **pbk** [4156, 4203]. **PDEs** [3311]. **Peaceful** [820, 3794]. **Pearce** [2419, 2376]. **Pécseli** [3272]. **Pedrero** [4032]. **Peebles** [2435, 4200, 4151, 4205]. **Pei** [3071]. **Peierls** [2241, 1711]. **Peiponen** [2804]. **Pelant** [2878]. **Peletier** [4099]. **Pellonpää** [3710]. **Pelton** [3275]. **Peña** [1844]. **Pendry** [2269]. **pendulum** [2060, 2331]. **Penning** [2339, 737]. **Penrose** [3220, 3636]. **pentaquarks** [2159]. **people** [765, 1973, 3800]. **perception** [4165, 3653, 775, 139]. **percolating** [2025]. **Percolation** [1430, 1036, 1037, 1511]. **Percolation-type** [1430]. **Peregrinations** [3681]. **Pereira** [2909]. **Peres** [3628]. **Perez** [3240, 4118]. **Perfect** [2334, 3700, 3949]. **performance** [2031]. **Perini** [3646]. **periodic** [3758, 725]. **Perkins** [2491]. **permanent** [407]. **permeability** [1309]. **permissiveness** [1123]. **Perot** [3862, 657]. **perovskite** [4246]. **Perovskites** [2774]. **Perry** [4139, 3119, 3027]. **person** [2353]. **Personal** [2906, 1117, 3524]. **Personalities** [3128]. **Perspective** [3163, 3470, 2959, 801, 4013, 3470, 2979, 3049, 4253, 3508, 3831]. **Perspectives** [4154, 2607, 3281, 3784, 4186, 3950, 3220, 4336, 4067, 3320, 2379, 2750, 4166, 2926, 2294, 3269, 2499, 3462]. **Perturbation** [2539, 4110]. **Perturbations** [2815]. **Perturbative** [2609, 3125, 2831, 2622]. **Pervasive** [3686]. **Peskov** [3204]. **Peter** [3670, 3368, 2829, 3619, 3029, 2696, 2941, 4248, 2766, 2792, 1092, 3309, 3552, 3631, 3099, 3088, 3143, 3084, 3589, 4224, 3248, 3604, 2888, 3191, 3598, 1040]. **Pethick** [2436]. **Petit** [3500]. **Petkov** [4191]. **Petley** [2247]. **Petrini** [4070]. **petroleum** [914]. **Petrov** [4110, 3593]. **Petry** [3575]. **Pfeffer** [3110]. **Ph.D.** [2351, 2461, 2354, 2743, 2739, 2894]. **Ph.D.s** [3057, 3016]. **Phaenomena** [3044]. **Phase** [2819, 3296, 4312, 1824, 4320, 1366, 3230, 3466, 1429, 2729, 2728, 1737, 2195, 1204, 3539, 3644, 3820, 1805, 1189, 1964, 3920, 4098, 1529, 2482, 2362, 3812, 2209, 907, 2224, 4055, 3280, 3452]. **phases** [1898, 730, 3903, 1894, 3900]. **Phenomena** [3301, 2715, 3118, 3303, 2971, 2833, 2628, 3379, 2137, 2573, 2079, 1242, 1179, 2085, 578, 466, 1357, 1249, 2466, 302, 521, 3435, 2333, 2729, 2442, 4072, 3623, 3610]. **Phenomenology** [3376, 4177]. **phenomenon** [1912, 494, 2393]. **Phil** [4215]. **Philip** [2838, 3669, 2886, 3253, 4292, 2449, 3634, 3372]. **Philippe** [3002]. **Phillip**

[3059]. **Phillips** [2295, 2873, 2500, 2720]. **philosopher** [785, 2508]. **philosophers** [2459]. **Philosophical** [2856, 3320, 2535, 2957, 179, 3914]. **Philosophy** [3091, 3969, 3300, 4127, 932, 1899, 2506, 2435, 3664, 2498, 2581, 3759, 2981, 2451]. **Phonon** [1161]. **phonons** [3742, 4259]. **phony** [2206]. **phosphine** [4237]. **Photinos** [4244]. **Photo** [3728]. **Photo-induced** [3728]. **Photocathodes** [2031]. **Photochromism** [991]. **Photodetectors** [2775]. **Photoelectric** [1372]. **photoelectricity** [377]. **Photoelectron** [692, 1295, 1204]. **photoexcited** [432]. **Photographic** [3066, 385]. **photographs** [2417]. **photography** [1176, 4144]. **Photoionisation** [3467]. **photometry** [3737]. **photomultiplier** [3771]. **Photon** [2465, 2723, 361, 2246, 989, 2381, 4160, 2245, 4152, 2132, 2055, 3338]. **Photonic** [2102, 2341, 3548, 2300, 3440, 2320, 1635]. **Photonics** [3297, 2932, 2671, 3140, 3141, 2486, 3496, 3960, 2320, 3104, 2372, 2888, 3499, 3481, 3483, 3369, 3912, 3391, 3941]. **Photons** [3318, 3393, 2211, 2355, 3015, 2629, 2326, 4106, 3609, 580, 3198, 3558]. **Photostimulated** [900]. **photovoltaics** [4246]. **Phua** [3412, 4098, 3681, 2846]. **Phuan** [2850]. **Phyl** [3038]. **phylogeny** [3681]. **physic** [3739]. **Physical** [97, 143, 158, 468, 554, 2335, 3320, 2853, 3212, 3193, 3444, 38, 298, 2604, 2901, 3422, 308, 14, 2353, 4124, 2623, 3026, 235, 2518, 605, 2818, 3248, 442, 2837, 3188, 2976, 142, 364, 365, 36, 2654, 2554, 3174, 106, 76, 37, 39, 3719, 687, 3828, 3554, 874, 162, 4084, 360, 370, 4148, 3808, 3755, 4274, 201, 3936, 3120, 30, 475, 4292, 3587, 3432, 4205, 2208, 4288, 4189, 195, 219, 256, 262, 265, 406, 2960, 776, 231, 79, 74, 40, 51, 177, 3809, 3205, 2746, 3950, 3231, 3500, 4077, 3170]. **physically** [1989]. **Physicist** [3167, 2867, 2532, 2311, 2508, 732, 4030, 1801, 2959, 72, 185, 3942]. **Physicists** [1265, 27, 41, 109, 3830, 3974, 2459, 2189, 3994, 2674, 2134, 2402, 2363, 2519, 2351, 2461, 2474, 2476, 2616, 2525, 3487, 2647, 2518, 389, 2472, 2487, 3603, 4188, 4070, 3505, 3633, 3073, 2754, 2790, 2594, 3347, 2758, 3480, 3625, 4056, 3409, 3922, 4167, 3304]. **physicists/computational** [2487]. **Physics** [2921, 150, 175, 3122, 3157, 3393, 3468, 97, 143, 151, 158, 3052, 2025, 2462, 2788, 4298, 4299, 2926, 2989, 3201, 4179, 1754, 75, 554, 3458, 3301, 2767, 2851, 3107, 2868, 307, 1365, 1371, 4355, 372, 3116, 53, 2615, 2658, 2578, 2662, 2742, 2904, 2981, 3089, 3261, 3425, 2082, 2293, 248, 3839, 2866, 2942, 2801, 1552, 4061, 3442, 4357, 4240, 3144, 4308, 2735, 2937, 2872, 3342, 2792, 3245, 968, 2533, 232, 2655, 2806, 4190, 2171, 2625, 2777, 1924, 4319, 1175, 1291, 3266, 3364, 3435, 3422, 1965, 2457, 2489, 2674, 2706, 2519, 3163, 3253, 3335, 3405, 1600, 2306, 1104, 2303, 3071]. **Physics** [2891, 308, 3421, 1565, 4124, 2691, 2889, 747, 3208, 3206, 4114, 2497, 2899, 2455, 4200, 4151, 4205, 4224, 117, 3299, 499, 605, 3216, 3218, 3305, 2796, 2744, 2818, 3238, 3103, 2460, 3240, 1960, 2332, 2472, 2432, 2595, 4337, 4201, 4338, 2760, 3063, 685, 2581, 3109, 3256, 3314, 2520, 2705, 2722, 2535, 3064, 3603, 823, 2322, 2390, 3337, 2719, 3410, 2582, 713, 1894, 493, 2442, 2987, 2631, 2758, 1849, 2400, 2368, 4342, 3032, 2669, 2599, 2646, 3110, 3260, 3338, 2319, 2285, 4350, 2469, 2041, 2915,

2967, 1395, 2358, 3807, 1913, 78, 270, 379, 417, 4211, 3885, 479, 2304]. **physics** [1750, 416, 3509, 675, 701, 2281, 2221, 2181, 3974, 4232, 3971, 1796, 1402, 1169, 3934, 2339, 1862, 1236, 2411, 2602, 179, 487, 4277, 1875, 249, 1011, 296, 1453, 2196, 2279, 3462, 3677, 3875, 4045, 3969, 4127, 1980, 1880, 1270, 1405, 2212, 3585, 1074, 1276, 778, 409, 992, 1589, 590, 452, 4209, 2749, 3889, 223, 2329, 3591, 16, 3502, 2406, 784, 1019, 1229, 717, 225, 3856, 1258, 51, 177, 4317, 1218, 707, 3616, 3960, 4130, 4162, 4259, 4281, 4270, 2077, 317, 2109, 1770, 2366, 1381, 1573, 237, 245, 1767, 3686, 4196, 384, 764, 1279, 1717, 3627, 3752, 3824, 4047, 4283]. **physics** [2129, 193, 2143, 2201, 2548, 2886, 1583, 1255, 1902, 3331, 316, 3160, 4324, 3540, 1064, 1885, 441, 485, 1108, 4107, 399, 1171, 192, 2167, 797, 2103, 526, 568, 619, 4214, 1660, 4112, 4159, 4160, 3008, 93, 3972, 1664, 843, 3952, 2647, 2543, 3356, 3849, 290, 3712, 3220, 863, 988, 1160, 154, 964, 4282, 854, 1943, 1969, 1959, 716, 2183, 3465, 2700, 4336, 393, 4244, 3572, 3584, 3836, 3959, 3917, 3949, 1812, 1214, 3636, 3967, 1797, 601, 746, 3613, 3731, 137, 3690, 3476, 3681, 3864, 3831, 3929, 4255, 4208, 4219, 264, 364, 4166, 3760, 529, 1099, 1480, 2157]. **physics** [2236, 4095, 4265, 94, 1678, 3596, 3528, 3871, 4086, 4147, 4171, 1363, 120, 1918, 4034, 955, 228, 66, 1973, 2683, 2554, 2831, 3336, 3357, 1014, 1544, 3242, 3568, 3556, 3484, 3847, 3775, 3850, 3997, 4116, 4172, 4145, 4258, 1704, 1667, 3389, 3593, 1817, 76, 4229, 1146, 1734, 1284, 2173, 39, 1936, 3680, 2238, 27, 2751, 4184, 4358, 2765, 4124, 2501, 2809, 2374, 2491, 3124, 3072, 2356, 2679, 3091, 3017, 3133, 3237, 3171, 4184, 2509, 2842, 2838, 3092, 2639, 2999, 3117, 2294, 2537, 3181, 3279, 3054, 2850, 3315, 3317, 2918, 3381, 3431, 2396, 2562, 3121, 2523, 2616, 2881, 3271]. **Physics** [2873, 2914, 2855, 3012, 3119, 3132, 2510, 2511, 2314, 2701, 2910, 2913, 2401, 2370, 2619, 2669, 2599, 2475, 2885, 2827, 3021, 3593, 4149, 3986, 4211, 4225, 3719, 3491, 3485, 4009, 3748, 4028, 4191, 4061, 3507, 112, 4138, 3784, 4001, 4024, 3576, 3754, 3312, 4117, 3973, 3718, 4201, 3704, 4096, 3595, 3667, 3818, 3916, 4176, 3688, 4185, 4286, 675, 3706, 3308, 2747, 2639, 4084, 4198, 2394, 4295, 4068, 2996, 3309, 3957, 3233, 3492, 3399, 3487, 2890, 2971, 2472, 2876, 4144, 2588, 3529, 2723, 2417, 3713, 2559, 2710, 3892, 2920, 1146, 3799, 8, 3946, 3901, 3873, 3913, 3883, 3874]. **physics** [3882, 3950, 160, 3880, 3864, 3837, 2894, 3829]. **physics/ideas** [4211]. **physique** [366]. **Pian.** [3039]. **Pickering** [4202]. **Picoscience** [3307]. **picturalism** [2328]. **picture** [2519]. **Pieper** [4218]. **Pier** [2954, 4145]. **Pier-Giorgio** [2954]. **Pierce** [2294]. **Pierfrancesco** [4210]. **Pierluigi** [3269]. **Pierre** [3446, 3487, 3500, 3172, 4064, 2610, 2977]. **Pierre-Gilles** [2977]. **Pierre-Louis** [3172]. **Pierre-Yves** [2610]. **Pierrus** [2781]. **Pieter** [2636]. **Ping** [2905]. **pinning** [748]. **Pinter** [4149]. **pion** [1481]. **Pioneer** [3111, 2186]. **pions** [4164]. **Pisanti** [2674]. **Pivato** [2543]. **pixellated** [2039]. **place** [4037, 48, 393]. **Placzek** [4030]. **Plagnol** [3792]. **plain** [1510, 1535, 2430, 3645, 1588]. **Planck** [2893, 4358, 4041, 3687, 2195]. **plane** [4231]. **planet** [3993, 4150, 4340, 3876]. **Planetary** [1021, 3100, 2839, 3238, 2618, 666, 1074, 717, 2603, 3891, 337, 2166, 3737, 4039, 3394, 4150, 2476, 3234, 2826, 3129, 3897]. **Planetesimals** [3689].

Planetodiversity [2166]. **planetology** [1157]. **Planets** [3456, 3415, 3100, 3234, 2839, 3334, 2166, 4339, 2575, 1083, 2397, 2898, 2476, 3689]. **Planning** [2626, 74]. **Plant** [2910]. **Plasma** [2756, 3298, 3072, 20, 384, 466, 589, 2818, 2967, 3644, 1522, 1589, 707, 193, 234, 4125, 3693, 124, 2313, 2547, 2293, 3276, 3556, 3850]. **Plasmas** [1198, 2652, 1406, 1047, 3864, 2818, 3272, 2920, 3850, 3978]. **Plasmon** [3408]. **Plasmon-Enhanced** [3408]. **plasmonic** [3696, 3530, 2879]. **plasmonics** [2273, 3275, 3628]. **plasmons** [1517]. **Plastic** [2627, 3147, 3544]. **Plasticity** [3154]. **plate** [525]. **Play** [2933, 3477, 1843]. **players** [2474]. **playground** [765]. **playing** [1684, 2397]. **plenty** [1263, 2264, 2733, 2263]. **Plenum** [555]. **plethora** [2814]. **Plévert** [2977]. **Pluchino** [3997]. **Plumes** [3298]. **plutonium** [850]. **pocket** [807]. **Podolský** [2718]. **poetry** [2578]. **Poets** [2691]. **Poincaré** [3490, 2861]. **Poinern** [3488]. **point** [584, 420, 3516, 972, 521]. **points** [8, 848, 262]. **Pokrovskii** [4249, 2806]. **Polarisation** [2584]. **polarised** [3251]. **polariton** [2516]. **Polarization** [2309, 2429]. **Polarized** [524, 2094, 1862, 260]. **polaron** [1494]. **Polarons** [3169]. **pole** [944]. **polemic** [3575]. **Policy** [3031, 740, 391]. **Politically** [1989]. **politicians** [3206]. **Politics** [3128, 2367, 3226]. **pollution** [639, 868, 936]. **Polyakov** [4029]. **polyatomic** [989]. **Polycrystalline** [1311]. **Polymer** [2806, 1350, 567, 4235, 1449, 2767, 2927]. **Polymeric** [754, 450]. **polymers** [1430, 1268, 1370, 564, 1269, 979, 1407, 544, 3116, 2344, 2443, 2319]. **polywater** [594]. **Pomeranchuk** [723]. **Poon** [2787]. **Popov** [2942]. **Popp** [3246]. **Popper** [1153, 1181]. **Popular** [1770, 2439, 2392, 2397, 2371, 2380, 2581, 3197, 2534]. **popularizer** [1968]. **population** [1988]. **Populations** [2626]. **Porous** [3402]. **Portable** [2430]. **Porter** [2726]. **Portolan** [3659]. **position** [752, 1658]. **positions** [631]. **Positron** [1495, 2030, 1340, 2336, 1064]. **positronics** [1981]. **positrons** [659]. **possibility** [4237, 3086]. **possible** [919, 2294, 1596]. **post** [2659, 3057, 2993, 3016, 3394, 2859, 89, 277]. **post-docs** [3057, 2993, 3016]. **post-equinox** [3394]. **post-graduate** [2659, 2859]. **postdoctoral** [2330, 2395]. **Postgraduate** [3035, 2887, 3178, 4120, 4078, 4060, 4106, 2686, 2883, 3157, 3395, 3318, 3368, 3211, 3333, 41, 3052, 3350, 2433, 2502, 2788, 2414, 2346, 2786, 3061, 3073, 3480, 3498, 3098, 3201, 2667, 3509, 2374, 4241, 4217, 4284, 4275, 2614, 2555, 3022, 3180, 3506, 4202, 2897, 2819, 3301, 3097, 2840, 3107, 2593, 2949, 3011, 3365, 2830, 2403, 2334, 3029, 3124, 2966, 3485, 2544, 3376, 4231, 4293, 2795, 3116, 3384, 2615, 2564, 2662, 3091, 3017, 3037, 3133, 3237, 3412, 3383, 4182, 4184, 2320, 2347, 2757, 3349, 3137, 4113, 3038, 3095, 3247, 4118, 2995, 4061, 3442, 3123, 3296, 2823, 3023, 3396]. **postgraduate** [2838, 2836, 2853, 2785, 3104, 3275, 3194, 3179, 3353, 3408, 3499, 3493, 3488, 4183, 4240, 4272, 3076, 3144, 2696, 3207, 2621, 3168, 2735, 2790, 2872, 2755, 3448, 4248, 2766, 2792, 2878, 2847, 3105, 3245, 3257, 2791, 2841, 2541, 3040, 2999, 2561, 2687, 2845, 3036, 4072, 4052, 4178, 4190, 4198, 4252, 2529, 2777, 2794, 3118, 2965, 3279, 3280, 3343, 3344, 3494, 3501, 3450, 3452, 3451, 4204, 4203, 4257, 2702, 2693, 2660, 2800, 3054, 3204, 3407, 2601,

3126, 2979, 3205, 4085, 4108, 4068, 3184, 4242, 3321, 4250, 2726, 3081, 3377, 3435, 3437, 2313, 3099, 4294, 2330, 2348, 2402, 2678, 2538, 2820, 2783, 2746]. **postgraduate** [3046, 3224, 3196, 3369, 3270, 2612, 3431, 3143, 3233, 3258, 3366, 3429, 2670, 3374, 3024, 2771, 3050, 2898, 4165, 3169, 3303, 3398, 3492, 2524, 2716, 3128, 3497, 3382, 3108, 3269, 3080, 3005, 2808, 4157, 3230, 3210, 3345, 3446, 4186, 2623, 2539, 2476, 2616, 2525, 2902, 3187, 3182, 3340, 3423, 2682, 2526, 3026, 3003, 3424, 3189, 3511, 2680, 3015, 2692, 2950, 2797, 3162, 3447, 3208, 3206, 2466, 2594, 3140, 3058, 3367, 2395, 2455, 2685, 2803, 2946, 3084, 3145, 2998, 3232, 3307, 3449, 4200, 4205, 3049, 3231, 3234, 3065, 2622, 3430, 3310, 2839, 2873, 2914, 2855, 3090, 3166]. **postgraduate** [3316, 2652, 3272, 3103, 3311, 555, 2651, 2332, 2784, 2712, 3127, 3033, 3012, 4122, 4197, 3213, 3214, 2415, 2595, 3094, 3332, 2780, 2624, 2835, 2874, 2837, 2834, 2760, 2750, 2880, 3062, 3119, 2997, 3063, 3172, 3409, 4054, 4083, 4189, 3156, 2393, 2974, 3413, 3490, 2436, 2657, 2676, 2909, 2728, 2782, 2846, 3028, 3256, 3347, 2441, 2440, 3402, 2389, 2410, 2546, 2535, 2695, 3414, 3476, 3489, 4071, 4255, 4219, 4276, 4077, 4166, 4167, 2759, 3138, 3346, 2725, 4199, 2322, 2310, 2314, 2390, 2701, 2896, 3461, 4253, 4266, 2592, 2719, 2720, 2804, 2888, 2805, 3148, 3146, 3141]. **postgraduate** [3265, 3391, 3482, 4063, 4220, 2531, 4174, 2718, 2978, 4216, 2442, 3286, 2987, 2349, 2540, 2530, 2951, 2758, 2947, 2409, 2619, 3191, 3185, 3278, 3508, 4290, 3136, 3147, 2807, 2826, 2654, 2536, 2665, 2666, 2470, 2832, 3411, 3338, 3306, 3475, 3495, 4058, 4116, 4215, 4175, 3039, 3067, 4111, 4185, 4168, 2344, 2752, 2882, 2852, 2769, 4267, 2704, 4055, 4177, 4251, 4162, 4164, 4053, 4070]. **postgraduate.** [4081, 4080]. **postgraduate/research** [2414]. **postgraduate/specialist** [2433, 3039]. **postgraduates** [2921, 2936, 2911, 2865, 2293, 2866, 2939, 2931, 2941, 2907, 2494, 3004, 3496, 2954, 2737, 3113, 2387, 2340, 2333, 2300, 2523, 2889, 3186, 3457, 3487, 3460, 3432, 2935, 2815, 2924, 2943, 2833, 2468, 2501, 3474, 2915, 2920, 2967, 2919]. **postgraduates/specialists/advanced** [2387]. **postgraduation** [2432]. **postscript** [1153, 1181]. **potential** [1486, 4090, 853, 2031]. **Potter** [4183, 2430]. **Potvliege** [2949]. **Pötzsche** [3340]. **Pouliquen** [3213]. **powder** [744]. **powders** [1571]. **Power** [1082, 4310, 2142, 107, 925, 201, 3459, 972, 638, 738, 1336, 2175]. **Powers** [3796, 3379]. **Pozrikidis** [2997]. **Pp** [554, 662, 291, 2082, 2057, 112, 555, 869, 4132, 4120, 4078, 4060, 4106, 4010, 4016, 4062, 4110, 4225, 4082, 4241, 4217, 4284, 4275, 4202, 4232, 4268, 4135, 4140, 4139, 4254, 4038, 4000, 4032, 4009, 4056, 4055, 4273, 4271, 4296, 4206, 4035, 4231, 4293, 3425, 4005, 4045, 4018, 4028, 4073, 4123, 4069, 4154, 4182, 4177, 4184, 4191, 4221, 4027, 4100, 4113, 4118, 4061, 4143, 4183, 4272, 3102, 4030, 4084, 4155, 4248, 4251, 4291, 4138, 4026, 4072, 4178, 4190, 4148, 4198, 2191, 4163, 4252, 4006, 4021, 4204, 4130, 4203, 4162, 4235, 4222, 4257, 4259, 4269, 4281, 4270, 4295, 4274]. **pp** [4025, 4002, 4001, 4046, 4043, 4041, 3999, 4029, 4044, 4008, 4024, 4085, 4108, 4119, 4098, 4196, 4141, 4242, 4250, 3459, 4031, 4037, 4047, 3993, 4040, 3994, 4048, 3957, 4042, 4003, 4015, 4091, 4187, 4283, 4294, 3998, 4165, 3421, 4097,

4107, 4157, 4292, 4150, 4186, 3423, 4007, 4017, 4112, 4115, 4117, 4159, 4161, 4158, 4160, 4099, 4093, 4200, 4151, 4205, 4224, 4164, 4019, 4282, 4121, 4131, 4197, 4244, 4218, 4249, 4020, 4022, 4036, 4054, 4083, 4053, 4080, 4079, 4234, 4144, 3996, 3995, 4071, 4129, 4255, 4208, 4188, 4219, 4276, 4070, 4066, 4077, 4167, 4199, 4260, 3337, 4095, 4096]. **pp** [4094, 4253, 4266, 4065, 4064, 4063, 4220, 4086, 4092, 4142, 4147, 4171, 4174, 4216, 4290, 4034, 4059, 4109, 4004, 4039, 3956, 4033, 3997, 4023, 4058, 4116, 4067, 4172, 4136, 4207, 4176, 4215, 4233, 4145, 4258, 4111, 4185, 4168, 834, 4243, 4256, 4267]. **Practical** [211, 3076, 3105, 2680, 3216, 3006, 2487, 3127, 2807, 3397, 3509, 4273, 3577, 3517, 4122, 3568, 4132, 3755, 3697]. **practicals** [4283]. **Practice** [2585, 209, 259, 2474, 3064, 3685]. **practicing** [2464]. **practising** [2309, 2465, 2671, 2584, 3140]. **Practitioner** [1968, 3959]. **practitioners** [2743, 2739, 2803, 2787]. **Pradhan** [2788]. **Pradisi** [4070]. **pragmatists** [1445]. **Pranay** [4267]. **Prandtl** [1422, 1427]. **Pratap** [4240]. **Pratesi** [3648]. **Pratim** [3608]. **Pravilov** [4110]. **Praxis** [4059]. **pre** [2137, 2809, 4232, 3349, 3137, 3035, 3152, 4084, 4156, 2944, 3315, 3405, 3135, 3121, 3128, 3018, 3415, 4186, 3100, 3423, 2682, 2881, 2899, 3234, 3243, 2908, 3066, 3461, 2938, 2913, 3285, 4086, 2826, 3134, 3215, 3164, 4163]. **pre-breakdown** [2137]. **pre-undergraduate** [3018]. **pre-University** [3035, 2809, 4232, 3349, 3137, 3152, 4084, 4156, 2944, 3315, 3405, 3135, 3121, 3128, 3415, 4186, 3100, 3423, 2682, 2881, 2899, 3234, 3243, 2908, 3066, 3461, 2938, 2913, 3285, 4086, 2826, 3134, 3215, 2358, 3164, 4163]. **Prebiological** [700]. **precedence** [1827]. **Precipitation** [873, 604]. **Precise** [3150, 4304, 3245, 2339, 778, 3756, 2055, 3877]. **Precision** [4193, 4245, 2212, 2174, 1658, 3797]. **predict** [2336]. **Predicting** [1903]. **prediction** [1091, 1310, 2956]. **Predictions** [1703, 4314, 3450]. **Preecha** [3534]. **preferably** [3120]. **Prehistoric** [1175]. **Premaratne** [2820]. **Premelting** [1315]. **preparatory** [52]. **present** [3333, 667, 1903, 639, 891, 981, 4146, 1302, 3399]. **present-day** [4146]. **presentation** [4078]. **Preservation** [2803, 2211]. **Press** [4078, 4060, 4016, 4211, 4137, 4286, 4082, 584, 4217, 4284, 4275, 4135, 4038, 4000, 4032, 4009, 4210, 4271, 4035, 3425, 4005, 3945, 4045, 4073, 4182, 4177, 4184, 4027, 4100, 4061, 2057, 4143, 4084, 4248, 112, 4291, 4285, 4026, 4072, 4052, 4178, 4190, 4198, 2191, 4006, 4021, 4081, 4156, 4130, 4203, 4162, 4259, 4269, 4270, 4274, 4025, 4002, 4001, 4046, 4043, 4041, 4085, 4141, 3459, 4037, 4040, 3994, 4048, 4042, 4003, 4015, 4105, 4146, 4187, 4283, 4165, 3421, 4097, 4107, 4157, 4292, 4007, 4017, 4158, 4093, 4200, 4151, 4205, 4019, 4282, 555, 4131, 4122, 4197, 4020, 4036]. **Press** [4079, 4071, 4129, 4219, 4276, 4066, 4077, 4166, 4199, 4094, 4266, 4065, 4064, 4063, 4092, 4034, 4109, 4039, 4023, 4058, 4176, 4215, 4175, 4258, 4185, 4168, 4267]. **Pressing** [2110]. **Pressure** [3321, 4223, 375, 625, 854, 1363, 404, 1146, 1146, 3012]. **pressures** [523, 142]. **prevent** [3517]. **prevention** [823]. **Prialnik** [2737, 2621]. **Pride** [1827]. **Priest** [3878]. **Priezzhev** [2804]. **Primary** [35, 22]. **primer** [1351, 3716, 3620, 3755, 3825, 2687, 4160, 4207]. **primeval** [1847].

Primordial [2539, 4146, 2741]. **Princeton** [4275, 3945, 4184, 4027, 4291, 4285, 3987, 4190, 4274, 4085, 4292, 4007, 4200, 4151, 4205, 4282, 4131, 4023, 4176, 4205, 2666]. **Principia** [3270, 4128, 1150, 1190]. **Principle** [3247, 3354, 3328, 3762, 4222, 1614, 1705, 2861, 1943, 1658, 510]. **Principles** [3395, 2386, 3373, 4322, 3274, 3446, 2803, 3231, 3053, 129, 3059, 2799, 3068, 3520, 3470, 1342, 3696, 3619, 3462, 4162, 4274, 201, 3630, 3926, 3527, 4336, 4249, 3634, 4189, 738, 3526, 3814, 1642, 3568, 3174, 3799, 2566, 3080, 3953, 3585, 3036, 2930, 3983, 4203, 2954, 3975, 2678, 3421, 3058, 4205, 4121, 3536, 2638, 3701, 4092, 2736, 2967]. **Print** [4142, 4204]. **Printed** [4251]. **Printing** [4079]. **Prize** [605, 4200, 4151, 4205, 3837, 2980]. **prizes** [945]. **Probabilistic** [2634]. **Probability** [4301, 3444, 3138, 3014, 2888, 3896, 3798, 3112, 3041, 4148, 2808, 2940]. **Probe}** [2126]. **probes** [337, 1035]. **Probing** [1776, 847, 857, 3320]. **Problem** [2700, 777, 2095, 2406, 684, 509, 477, 2216, 3895, 3960, 3727, 952, 4201, 4199, 12, 2117, 1118, 2664, 3881]. **Problem-based** [2700]. **problem-centred** [2117]. **problem-solving** [4201]. **Problems** [270, 3052, 2781, 2786, 2706, 3233, 3114, 2685, 2705, 1913, 3830, 2347, 639, 4084, 1279, 4187, 4114, 3952, 1627, 3593, 3633, 2518, 3031, 3747, 4053, 4258, 2987]. **ProblemSolving** [4201]. **proceeding** [3039, 3348]. **Proceedings** [3133, 4358, 3308, 2737, 415, 2467, 2322, 3039, 3267, 3593, 834, 2414, 2727, 3261, 3412, 2984, 3075, 3054, 2932, 2898, 3189, 4159, 2884, 2651, 3012, 2780, 2760, 2750, 3063, 2441, 137, 2822, 3067, 266, 3412]. **process** [1743, 2165]. **Processes** [3211, 3123, 2352, 3257, 2979, 3435, 3422, 4320, 2808, 2940, 3132, 3138, 3014, 3255, 2442, 4347, 2787, 1379, 892, 989, 1385, 1400, 3860, 711, 448, 122, 4150, 3486, 3735, 304, 347, 2931, 3065, 2556, 2654, 2536, 4189, 3449]. **Processing** [2975, 2766, 1177, 2107, 3548, 3351, 2055, 4216, 2147, 2636]. **processive** [2123]. **produced** [1047]. **producing** [1792]. **production** [4050, 3008, 212]. **professional** [2350, 2347, 2351, 2461, 2354, 389, 3228, 2888]. **professionals** [2889, 2877]. **professionals.** [4114]. **Professor** [3574, 1057, 4161, 766, 899, 1757, 3512, 1205]. **profile** [3856]. **program** [3776]. **programmable** [862]. **programme** [1699, 1029, 1325]. **programmes** [3206]. **programming** [3660]. **Progress** [498, 1825, 379, 417, 2296, 225, 317, 316, 636, 583, 716, 66, 2378]. **progresses** [4108]. **project** [3938, 843, 833, 3529, 869, 4171]. **projected** [1098]. **projects** [479, 3800, 2899]. **Prokof'ev** [3460]. **prologue** [801]. **Proof** [2517]. **Propagation** [2820, 2300, 3058, 2482, 3765]. **Properties** [2667, 420, 3116, 3165, 3450, 3894, 432, 559, 2712, 3033, 3872, 505, 2812, 1290, 3647, 4314, 260, 236, 134, 475, 438, 1211, 901, 962, 1248, 4220, 321, 1055, 3242, 4215, 124, 1464, 1722, 2792, 2774, 3535]. **proponent** [1968]. **proposal** [869]. **Propulsion** [2453, 671]. **prospect** [2009]. **Prospects** [1947, 3904, 1081]. **Prost** [2527, 2596]. **protein** [600, 630, 2189]. **proteins** [2123]. **protocols** [2235]. **Proton** [839, 1706, 115]. **Pruessner** [3070]. **Pruneau** [3808]. **Prutchi** [2899, 2899]. **psychological** [362]. **psychology**

[941]. **PT** [3971]. **Pte** [4106, 4268]. **Public** [3363, 4186, 2438, 2380]. **publications** [30]. **Publishing** [4106, 4241, 4268, 4139, 4254, 4206, 4191, 4221, 4240, 4251, 4204, 4222, 4281, 4150, 4201, 4223, 4218, 4169, 4170, 4234, 4188, 4260, 4220, 4147, 4290, 4136, 4207, 4233]. **Pucci** [3408]. **Pudipeddi** [3351]. **Pudritz** [3129]. **Pugai** [3079]. **Pugh** [3372, 2302]. **Puglisi** [4208]. **pull** [3802]. **Pulsar** [3016]. **Pulsars** [769, 3267, 1607, 1559, 1111]. **pulse** [2731, 4289]. **Pulsed** [3373, 867, 1414]. **pulses** [2220, 1863, 4289, 2847]. **Pumped** [2783, 1528, 4236]. **pumping** [1240, 1079]. **Purcell** [3115, 2802]. **Puri** [4159]. **purpose** [4242]. **purposeless** [1597]. **Pursuit** [2334, 2894]. **Pursuits** [3399]. **put** [1378]. **Puzzle** [3128, 2764]. **Puzzles** [1851, 3780]. **Pyroelectric** [673]. **Python** [3577, 3936, 4267, 4292, 3660, 3351].

QCD [2622, 3329, 3516, 1964, 2831]. **QED** [4212, 1243]. **Qi** [4167, 3457]. **Qing** [2982]. **Qing-Zhu** [2982]. **quality** [1516]. **Quanta** [3071, 2827, 3077]. **Quantics** [1524]. **quantisation** [3851]. **Quantitative** [1759, 285, 2844, 4224, 3565]. **Quantization** [3217, 1257, 2419]. **Quantized** [2686, 2524]. **quants** [2047]. **Quantum** [2686, 3368, 2829, 2346, 1750, 2296, 2297, 2374, 2936, 3022, 3180, 2897, 2819, 516, 1317, 1469, 3029, 4271, 2425, 2184, 4287, 2585, 2471, 2448, 2495, 2856, 3089, 3056, 3133, 3320, 2945, 2801, 2948, 2995, 1250, 1935, 4303, 2636, 3223, 2328, 3296, 819, 2984, 3493, 2217, 3076, 2421, 2847, 3165, 1888, 2090, 2655, 2999, 2561, 2687, 2845, 1966, 1401, 325, 2286, 4318, 1899, 2601, 2979, 1692, 3190, 2235, 4321, 2348, 2678, 2746, 3046, 3163, 3287, 3405, 2054, 2268, 3374, 3906, 3024, 3034, 3303, 4279, 2431, 2716, 3399, 1066, 3114, 3108, 3401, 1171, 3230, 3210, 2371, 2483, 2525, 3189, 2234]. **Quantum** [2692, 2797, 4087, 2933, 2864, 2899, 3966, 3972, 2946, 1030, 3125, 2694, 2681, 2744, 2875, 2935, 3045, 3090, 1693, 3311, 1813, 3086, 4335, 4337, 1606, 3949, 3991, 2677, 2521, 2846, 3239, 4236, 2759, 2055, 1140, 2069, 2805, 3265, 3048, 2723, 1394, 2540, 2951, 2947, 1630, 2398, 2370, 3217, 2645, 2444, 2492, 2822, 2277, 3549, 2665, 2656, 3260, 1464, 1844, 4229, 4305, 1263, 2264, 3763, 2170, 3250, 3506, 3974, 4268, 2138, 3785, 3971, 4139, 595, 3365, 4000, 3934, 3944, 4296, 3716, 4014, 3791, 3759, 3881, 4005, 3914, 3969, 4177, 4134, 2017, 1194, 2382, 3585, 1934, 3518, 3538]. **quantum** [4209, 2174, 4248, 1727, 3515, 2446, 1707, 2241, 3739, 2127, 1839, 3561, 4081, 875, 2577, 3513, 3915, 3925, 3975, 3920, 3999, 4068, 4196, 4141, 3477, 2133, 2176, 3517, 2107, 2338, 3331, 1979, 3548, 3469, 3510, 1387, 4051, 3227, 3825, 1807, 2263, 3417, 302, 3770, 3843, 2455, 4089, 3571, 2148, 4280, 322, 330, 2242, 616, 3546, 1840, 2040, 4075, 3545, 2698, 1303, 1793, 2266, 3736, 3833, 3917, 4022, 3811, 3863, 3704, 4066, 4166, 1743, 3330, 4199, 3225, 4095, 4265, 2179, 3482, 3838, 2194, 4216, 2361, 2147, 1262, 1786, 2265, 3336, 4013, 2326, 2454, 3782, 3857, 4145, 2014, 1988]. **quantum** [2160, 1691, 3600, 1835, 1737, 4267, 3794, 3157, 3393, 4137, 3079, 2290, 3927, 3522, 3772, 3912, 2375, 3539, 3710, 3899, 3911, 2311, 2350, 2490, 2498, 2904, 3089, 3848, 3855, 2945, 3657, 3658, 2939, 2992, 3257, 2687, 4021, 4041, 3920, 3954, 3752, 2609, 2402, 3374, 2524, 3497, 3210, 2691, 3345, 2797,

3162, 3447, 3720, 3027, 2455, 3589, 4093, 3819, 3065, 2796, 3053, 2985, 3019, 3282, 3316, 2267, 4218, 3734, 3879, 3880, 2854, 2728, 4260, 4297, 2317, 3146, 3567, 3439, 3871, 2579, 4216, 2422, 2530, 2298, 2399, 2369, 2558, 2454, 2669, 2536, 2666, 2656, 3306, 3680, 3694]. **quantum-field** [3225]. **quark** [1679, 1189, 2756, 2313]. **quark-gluon** [1189]. **Quarks** [2159, 1318, 690, 4164, 3240]. **quartz** [2177]. **Quasi** [436, 1993, 3895, 1602]. **quasi-analytical** [3895]. **quasi-atomic** [1602]. **Quasi-stellar** [436]. **Quasi-two-dimensional** [1993]. **Quasicrystals** [1339]. **qubit** [2641]. **Quest** [2770, 3431, 2532, 3763, 4027, 4317, 4064]. **Question** [2610, 3708]. **Questioning** [2768]. **Questions** [4269, 1545, 4221, 3929, 3492, 4080]. **quicksands** [2448]. **Quiet** [250]. **Quilt** [2491]. **Quinten** [3105]. **Quips** [2827]. **Quiroga** [4032]. **Quotes** [2827].

R [3776, 4120, 4060, 1121, 3509, 2949, 4038, 2858, 4009, 3656, 3644, 2545, 2490, 3091, 3748, 3759, 4027, 2984, 3628, 2775, 3152, 3647, 2342, 3784, 2561, 2241, 3117, 2794, 3809, 1069, 2601, 4119, 2737, 3081, 3057, 3708, 3627, 3643, 3816, 3754, 3773, 3787, 3732, 4048, 4015, 4294, 2330, 2318, 2387, 2678, 3262, 3143, 2670, 2473, 2292, 2371, 2435, 2539, 3457, 1100, 3078, 4159, 2263, 2245, 2899, 3653, 3589, 4099, 3430, 2903, 3000, 3090, 3749, 56, 2449, 3127, 2835, 2750, 3736, 4022, 4053, 2676, 3183, 3132, 3613, 2416, 3777, 2725, 1140, 2557, 4297, 2322, 2310, 2390, 2376, 3286, 1497, 2613]. **R** [2663, 3684, 3818, 4039, 4116, 3593, 1146]. **R.G** [3754]. **R.K** [4159]. **Rabindra** [4155]. **Raby** [4177]. **Race** [2980, 3239, 3322]. **Rachael** [3680]. **Rached** [3370]. **Radaelli** [3711]. **Radar** [87, 1314, 2307]. **Radek** [4169]. **Radial** [2427]. **Radiation** [2763, 2954, 3407, 2597, 3013, 2811, 404, 2721, 884, 646, 1356, 832, 3176, 2347, 453, 2731, 1850, 1444, 2198, 645, 2250, 602, 134, 772, 2035, 2249, 1677, 926, 274, 282, 3467, 1140, 1995, 3713, 4215, 22, 4038, 3662]. **radiations** [209]. **Radiative** [2905, 1924, 1987]. **Radio** [1265, 123, 4315, 2515, 334, 2920, 70, 255, 1607, 752, 783, 353, 4040, 436, 352, 3655, 3455]. **Radio-Frequency** [2920]. **Radioactive** [451, 834, 1119, 925, 1972]. **Radioactivity** [1773, 1671, 566, 2035, 3120]. **radioisotopes** [1048, 7]. **radiology** [1775]. **radiolysis** [1027]. **Radionuclides** [850]. **radiotherapy** [3173]. **Radko** [3413]. **Radon** [1596]. **Rae** [2904]. **Rafael** [4170]. **Rafii** [2332]. **Rafii-Tabar** [2332]. **Rafique** [4254, 3073]. **Raghuveer** [4274]. **Rai** [2594]. **Raimondi** [3557]. **Rain** [3411]. **Raine** [1121]. **Rajasekar** [3657, 3658, 4297, 3566]. **Rajeev** [3235]. **Rajendra** [2943]. **Rakesh** [2556]. **Ralf** [2948, 2528]. **Ralph** [3142, 3092, 3129, 3667]. **Ramakrishna** [2394]. **Raman** [657, 1461]. **Ramanujam** [2429]. **Ramiah** [3657, 3658]. **ramifications** [1037]. **Ramkarthik** [4267]. **Rammer** [2290, 2369, 3799]. **Rampino** [2473]. **Ramsey** [3457]. **Rancoita** [2954, 2881]. **Rand** [3770]. **Randall** [2742]. **Random** [2808, 2940, 2825, 3414, 3138, 3252, 4061, 2054, 2268, 3789, 2267, 3735, 4208, 2259, 3640, 1199, 2260]. **Randomness** [2410, 2047, 3686]. **Range** [2288, 782, 2506, 893]. **Range-Resolved** [2288]. **ranging**

[2032, 2737, 3113, 2467]. **Ranjan** [2712]. **Rankin** [2599]. **Ransom** [3655]. **Raphael** [2912, 2785]. **rapidly** [457]. **Rappaz** [2794]. **Rare** [2909, 472, 659, 3889, 570]. **Rare-Earth** [2909, 570]. **Rashid** [3298]. **Rashmi** [2461]. **Rasinariu** [2947]. **Rasooly** [2991]. **Rastelli** [3214]. **ratchets** [1796, 2088, 3584]. **Ratcliffe** [3232]. **Rates** [2521]. **ratio** [115]. **Rationalist** [3399]. **rationalized** [387]. **Raton** [4217, 4284, 4296, 4259, 4269, 4270, 4294, 4094, 4258, 4267]. **Rauch** [3510]. **Rauscher** [4174]. **Raveendran** [2750]. **Ravin** [2850]. **Ravindra** [4240]. **Ravishankar** [3351]. **Ray** [3102, 3262, 2688, 2929, 3039, 617, 314, 1204, 328, 802, 1551, 553, 2070, 2572, 3550, 629, 2813, 2143, 3131, 48, 583, 938, 4107, 2642, 2680, 3601, 91, 1419, 2295, 716, 2633, 4079, 911, 3387, 698, 699, 3675, 3775, 1736, 3644, 3057]. **Rayleigh** [1234]. **Raymer** [2265, 3752]. **Raymond** [3522, 2461, 3281]. **Rays** [2776, 2702, 2597, 156, 2881, 2013, 4293, 1656, 2550, 573, 415, 4080, 1075, 345, 3667, 2000, 2447, 3015]. **Razavy** [2677]. **RB** [4240]. **Reach** [3472]. **reaction** [3176, 2811]. **Reactions** [549, 1069, 2566, 1406, 1206, 319, 1112, 1130, 1400, 2024, 900, 499, 290, 2500, 4159]. **Reactive** [761]. **Reactor** [159, 206, 275, 498, 1501, 1104, 3829]. **Reactors** [1175, 2674, 1068, 961, 867, 887]. **Reader** [3126, 2312, 3111, 2462, 2661, 2334, 2411, 2356, 2495, 2658, 2742, 2707, 3229, 3403, 3406, 3462, 2509, 3442, 2764, 3226, 3308, 2906, 4274, 2542, 2289, 2318, 2452, 2548, 2506, 2668, 2675, 2849, 3131, 3088, 3120, 3335, 3453, 2397, 3354, 2473, 2430, 3445, 2371, 2435, 2367, 2379, 2644, 2493, 2863, 2505, 3078, 2466, 2877, 2434, 2449, 2520, 2695, 2331, 2417, 2321, 2426, 2413, 2827, 2534, 2456, 2420, 2450, 3150, 3756]. **readers** [3004, 2519, 2980, 3018, 2864, 4117, 3031, 3006, 2833, 2970, 3020]. **readership** [3393, 4211, 4286, 2772, 3295, 4241, 4275, 2527, 2851, 2843, 3107, 2585, 2471, 2679, 2600, 2565, 2564, 2498, 2857, 2870, 2904, 3195, 3425, 3349, 3137, 2977, 3035, 2672, 3322, 2673, 2853, 3104, 3488, 4240, 3102, 3444, 3152, 3139, 3192, 3302, 3502, 4285, 2392, 3009, 2684, 3177, 3268, 3400, 3394, 3478, 3427, 3436, 3456, 3455, 3459, 2886, 3254, 3224, 3262, 3253, 3244, 3405, 3381, 3270, 3312, 2612, 3135, 2562, 3121, 3363, 3128, 3274, 3202, 2714, 2691, 3345, 3415, 4186, 3263, 3283, 3423, 2916, 2929, 2933, 3428, 2753, 3084, 3351, 3234, 3299, 3271, 2694, 2796, 2908, 3276, 2778, 3106, 4223, 4218]. **readership** [3066, 3002, 3239, 4208, 2717, 2496, 2814, 2895, 3197, 3225, 3461, 3441, 2532, 2582, 2589, 2588, 2938, 2913, 3048, 3151, 3149, 3281, 4086, 4171, 3286, 2982, 2645, 2558, 3136, 2789, 2599, 2934, 2871, 2957, 3134, 3001, 3085, 3129, 3042, 3284, 3379, 3443, 4258, 3300, 3378, 3355, 2650, 2610, 2990, 4057, 4082, 4291, 4115, 4065, 4064, 4109, 4233, 4256]. **Reading** [9, 110, 2228, 306, 335, 95, 128, 55, 80, 269]. **Real** [3841, 4232, 580, 4233]. **Realistic** [3300, 3232]. **Reality** [2495, 2498, 2904, 2770, 3261, 3406, 3425, 4357, 1984, 3086, 2017, 3637, 3419, 1636, 1180, 1743, 2554, 3163, 2558, 2707, 3855]. **realizations** [2131, 2147]. **Really** [3034, 4005, 2305, 3982]. **realm** [2123]. **reappraised** [755]. **Reasoning** [2518]. **Rebases** [834]. **Recami** [4113, 3370]. **Received**

[931, 2052, 2066, 461, 474, 481, 489, 497, 504, 513, 520, 528, 534, 541, 548, 556, 563, 576, 586, 592, 598, 606, 613, 621, 628, 635, 642, 650, 655, 661, 669, 674, 682, 689, 696, 703, 709, 714, 721, 727, 734, 742, 751, 757, 767, 774, 780, 787, 795, 804, 813, 822, 829, 836, 842, 852, 859, 870, 877, 883, 889, 898, 904, 905, 921, 940, 958, 967, 975, 987, 997, 1005, 1033, 1044, 1018, 1025, 1052, 1062, 1072, 1078, 1088, 1095, 1103, 1110, 1116, 1126, 1135, 1142]. **received** [1148, 1159, 1168, 1174, 1185, 1196, 1201, 1209, 1223, 1231, 1239, 1246, 1253, 1261, 1267, 1275, 1281, 1287, 1294, 1300, 1307, 1313, 1322, 1331, 1338, 1346, 1354, 1362, 1369, 1377, 1384, 1390, 1398, 1404, 1411, 1418, 1426, 1433, 1440, 1448, 1456, 1463, 1471, 1478, 1485, 1493, 1500, 1509, 1514, 1520, 1526, 1534, 1540, 1549, 1557, 1568, 1577, 1586, 1593, 1599, 1605, 1613, 1620, 1626, 1633, 1639, 1646, 1655, 1663, 1669, 1676, 1683, 1690, 1696, 1702, 1710, 1719, 1725, 1733, 1740, 1747, 1756, 1772, 1780, 1785, 1790, 1795, 1803]. **received** [1810, 1816, 1822, 1829, 1838, 1846, 1854, 1861, 1869, 1878, 1891, 1895, 1900, 1910, 1920, 1931, 1941, 1946, 1954, 1963, 1971, 1977, 1991, 1997, 2029, 2037, 2043, 2073]. **reciprocal** [4253]. **Recognition** [2485]. **Recollections** [662, 965, 1136, 1092]. **reconstruction** [615]. **record** [118]. **recording** [928]. **recovery** [914]. **Recreational** [2420]. **rectangular** [240]. **rectifier** [201]. **Recycling** [1140]. **red** [4010, 495, 1182, 3865, 204, 210, 135, 258, 4090]. **Rédei** [3247]. **Redner** [2619]. **redshift** [3861]. **reduced** [3645]. **reduction** [3466]. **Reed** [4142, 4171, 1887]. **Rees** [3231]. **Reference** [2727, 4120, 4106, 3395, 3393, 3368, 2433, 2463, 2357, 4293, 125, 2565, 2751, 2757, 3038, 3095, 2672, 2838, 2836, 2853, 2785, 3194, 3179, 3353, 3408, 4240, 4272, 2764, 3207, 3092, 3168, 4084, 4251, 1068, 3083, 4173, 2687, 4072, 4190, 2394, 2366, 2567, 2954, 3407, 3126, 3427, 3455, 2372, 3312, 3143, 3233, 2523, 3269, 2437, 3230, 3446, 2292, 2299, 2526, 2309, 2465, 2464, 2584, 3246, 3367, 3030, 2647, 3449, 4205, 2587, 3430, 2332, 2784, 3127, 3033, 3012, 3086, 4122, 3213, 2415, 4223, 2835, 2837, 3062, 3119, 3156, 2581, 3183, 3347, 2607, 2556, 2705, 2722, 2695, 4071, 4166, 2759, 2725]. **reference** [2557, 4199, 4266, 2805, 3481, 2718, 2468, 2501, 2349, 2807, 2654, 3087, 2669, 2388, 2871, 3170, 3484, 2752, 2769, 4174]. **reference/textbook** [2357]. **reflection** [212]. **Reflections** [1778, 1808, 2984, 1819, 3918, 1117, 2311, 2535, 3909]. **refraction** [2093, 2270, 2269]. **Refractive** [2394]. **Refrigeration** [837, 462]. **refrigerators** [3966]. **refugee** [2363]. **Regev** [2972]. **regimen** [2149]. **regional** [2109]. **Reich** [3253]. **Reiner** [1069]. **Reinhard** [3531, 3558]. **Reinventing** [2963]. **reionisation** [3965]. **Reissue** [3308]. **Related** [1191, 3894, 2422, 3780, 1045, 1053, 2842, 1627]. **relating** [262]. **Relation** [3218, 1297, 1068, 1988]. **Relationships** [3930, 3310]. **relative** [1476]. **Relatively** [3037, 3302]. **Relativistic** [1906, 1979, 2698, 3620, 3473, 4168, 2801, 3538, 3884, 3999, 2903, 3094, 3278, 2832, 4168, 3843, 2540]. **Relativity** [243, 2911, 3150, 509, 2845, 3043, 2562, 3071, 3363, 2649, 3191, 3955, 4182, 1026, 132, 153, 3987, 1686, 457, 2861, 3756, 4036, 1631, 3864, 2149, 3473, 3508, 511, 2155, 1219, 4145, 3473, 2565, 2655, 2635, 2713, 2391, 2531, 2718, 3185,

3560, 3692, 326, 4163, 3552, 3917, 2727, 3037, 2611, 3461, 4176, 2768, 82]. **relativity/General** [3955]. **Relaxation** [347, 1089]. **Release** [2928]. **Releases** [834]. **Releasing** [1723]. **relevance** [2209]. **Reliability** [2670]. **Religion** [3195, 1983, 1950, 1761]. **religious** [3878]. **Remarkable** [2134]. **reminiscences** [1082, 1092, 3017]. **Remo** [3437, 3153]. **remodelling** [4241]. **Remote** [896, 2288, 2584, 3231, 1480, 1572, 1751]. **renaissance** [1138]. **Renee** [3525]. **Renewable** [4294]. **Renn** [3473]. **Renormalization** [3376, 3954, 2715]. **Renzoni** [3584]. **repertoire** [3935]. **Report** [144, 869, 293, 27, 2296, 464, 292, 3206, 391, 334, 2298]. **Report/Survey** [869]. **Reports** [379, 417, 225, 317, 66, 263, 554, 42, 316]. **requirement** [1442]. **Resag** [4047]. **Resconi** [3667]. **Research** [145, 53, 2670, 275, 437, 3206, 2395, 3276, 3063, 89, 136, 213, 241, 277, 259, 3776, 54, 194, 263, 2414, 675, 740, 2715, 2350, 2412, 3137, 4113, 20, 324, 1119, 223, 2428, 2342, 2421, 208, 942, 2129, 193, 2050, 2064, 4, 636, 924, 1325, 10, 2354, 3457, 3460, 3525, 3432, 719, 638, 2700, 801, 127, 168, 220, 264, 278, 349, 334, 2231, 2592, 2720, 2409, 2424, 2368, 2369, 2423, 2503, 792, 228, 1825, 119, 1414, 3243, 3299, 4057, 3642, 3653, 2724, 3596]. **researcher** [4120, 4078, 4060, 4106, 2686, 2883, 3157, 3395, 3368, 3211, 3333, 3052, 3350, 4110, 2926, 3061, 3079, 3098, 3201, 2667, 4241, 4217, 4284, 4275, 2614, 2555, 3022, 3180, 3506, 2819, 2648, 2583, 2911, 3241, 2767, 3097, 2840, 3107, 2593, 2949, 3298, 3365, 2830, 2522, 2715, 2774, 2858, 3124, 4210, 4273, 4271, 2544, 3376, 4231, 2795, 3116, 2751, 2856, 2727, 3091, 3017, 3406, 3412, 3320, 3425, 4154, 4221, 2757, 3349, 3038, 3095, 3035, 3247, 4118, 3296, 2984, 3023, 3373, 2798, 2838, 2836, 2853, 2785, 3275, 3194, 3179, 3353, 3408, 3499, 4240, 4272, 2617, 2775, 2779, 3207, 3370, 2621]. **researcher** [3075, 3168, 2735, 2872, 2755, 3502, 4248, 2766, 3083, 3245, 3165, 2791, 2841, 2541, 2999, 3036, 3047, 4072, 4178, 4190, 4198, 4252, 2776, 3118, 2965, 3279, 3494, 3501, 3450, 3452, 4081, 4235, 4269, 2693, 2660, 2800, 3054, 3204, 3407, 2887, 3126, 3205, 4085, 4108, 4068, 4119, 4196, 3184, 4242, 4250, 2850, 3081, 3074, 3099, 4187, 2538, 2820, 3046, 3196, 3431, 3143, 3233, 3366, 2670, 3024, 2771, 3050, 2898, 4165, 3071, 3169, 3303, 3398, 3492, 2524, 2716, 3510, 3128, 3274, 3497, 3382, 2703, 3080, 3005, 2808, 4157, 3230, 3210, 3446, 4186, 2539, 3340, 3423, 2682, 2526, 3026, 3003, 3424]. **researcher** [3189, 3511, 2680, 3015, 3162, 3447, 3208, 3206, 3367, 3030, 2685, 3084, 3145, 3031, 3259, 3232, 3307, 3449, 3486, 4200, 4205, 4224, 3065, 2622, 3430, 2839, 3070, 2652, 3272, 2651, 2432, 2784, 2712, 3127, 3033, 3012, 4122, 4197, 3209, 3213, 3094, 3332, 2780, 2624, 2835, 2874, 2837, 2834, 2760, 2750, 2880, 3062, 3119, 3063, 3172, 3409, 4054, 4083, 4189, 2580, 3256, 3347, 3402, 2546, 3414, 3476, 3489, 4255, 4219, 4276, 4166, 4167, 2759, 3138, 3346, 2725, 2557, 4199, 2701, 2896, 2741, 3228, 3461, 4253, 4265, 4266, 2879, 3148, 3059, 3146, 3141, 3319, 3362, 3339, 3391, 3439]. **researcher** [4063, 4220, 4174, 2422, 2530, 2758, 2398, 2400, 2619, 3191, 3185, 3278, 3508, 4290, 3136, 2799, 3147, 2807, 2826, 2654, 3087, 3032, 2665, 2666, 2832, 3170, 3306, 3484, 3475, 3474, 3495, 4058, 4116, 4067, 4172, 4215, 3397, 3067, 3267,

3300, 3348, 4111, 4185, 4168, 2547, 2882, 2852, 2586, 2769, 4056, 4231, 4118, 4052, 4235, 4257, 4259, 4295, 4108, 4119, 4294, 4157, 4159, 4160, 4121, 4169, 4170, 4234, 3476, 4077, 4166, 4167, 4260, 4297, 4253]. **researcher.** [4063]. **researcher/scientist** [3348]. **researchers** [2921, 2989, 2596, 2927, 3051, 2458, 2486, 2659, 2485, 2828, 3011, 2425, 2868, 2955, 2865, 2293, 2866, 2945, 2948, 2939, 2988, 2931, 2907, 2341, 2342, 2421, 2563, 2494, 3004, 2930, 2366, 2954, 3007, 2597, 2489, 2674, 2566, 2609, 2816, 2706, 2918, 3013, 4283, 2932, 2340, 2351, 2461, 2476, 2616, 2525, 2902, 3187, 3186, 3182, 3454, 2929, 2649, 2653, 2743, 2739, 2803, 2940, 2884, 2946, 2998, 3432, 2869, 2295, 2467, 2332, 2815, 2924, 2943, 2909, 2416, 2419, 3014, 2925, 3404, 3410, 3440, 3482, 3441, 3481, 3483, 3504, 3503, 2723, 2451, 2399, 2444, 2831, 2894, 2454, 2470, 2915, 2920]. **researchers** [2967, 2919, 2704, 4107, 3114, 4187]. **reservoirs** [914]. **resistance** [607, 4262]. **resistivity** [1210]. **resolution** [2382, 1967, 3727, 657, 4224, 1076, 1203, 352, 1120, 3537, 3795]. **Resolved** [2288, 1736]. **Resolving** [4195, 4013]. **Resonance** [3373, 2975, 3026, 2419, 2592, 1459, 631, 2699, 1225, 1934, 818, 872, 359, 369, 47, 839, 1421, 2285]. **Resonances** [831, 3566]. **Resonant** [1356, 1677]. **Resonant-bar** [1356]. **resonators** [3743]. **resource** [776]. **respectable** [2089]. **results** [1529, 2126, 3593]. **Retelling** [1917]. **Retirement** [2787]. **return** [3419]. **Revealed** [3302, 3722]. **reversal** [1726, 1647]. **Reversibility** [3023]. **Review** [3670, 3806, 3834, 3817, 3757, 3776, 3767, 3807, 3766, 3942, 4133, 4132, 3622, 3711, 3953, 4120, 4078, 4060, 4106, 3878, 4149, 3520, 3651, 3741, 3841, 4010, 3909, 4057, 3764, 3763, 1121, 3618, 3986, 3988, 3790, 3868, 3805, 3774, 3946, 4016, 4062, 4110, 4211, 4137, 4225, 4286, 3885, 3896, 2893, 2772, 3560, 3523, 3574, 3721, 3583, 3719, 3541, 3559, 3830, 4082, 1265, 1191, 440, 662, 675, 848, 4241, 4217, 4284, 4275, 3796, 3974, 4202, 4232, 4268, 3785, 3927, 4135, 3698, 3699, 3700, 3750, 3828, 3918, 3522, 3696, 3619, 3901, 3772, 3912, 4140, 4139, 4254, 4038, 4000, 3934, 3539]. **Review** [3580, 3625, 3710, 3635, 3835, 3899, 3898, 3872, 3873, 3944, 3984, 4032, 4009, 3911, 4056, 4055, 4210, 4273, 4271, 4296, 4206, 3656, 3716, 3644, 3840, 3943, 4035, 4231, 4293, 205, 3425, 3677, 3695, 3723, 3579, 3609, 3692, 3800, 3875, 3791, 3748, 3759, 3848, 3855, 3881, 4005, 3945, 4045, 3913, 3935, 3914, 4018, 3938, 3955, 4028, 4073, 4123, 4069, 4154, 4182, 4177, 4134, 4184, 4191, 4221, 3646, 3839, 3877, 4027, 4100, 4113, 3715, 3663, 3869, 1040, 4118, 3599, 3585, 3900, 3738, 3947, 3919, 4061, 1083, 3554, 3544, 3657, 3658, 3659, 3744, 3747, 2057, 1131, 3538, 4143, 4209]. **Review** [3628, 3629, 3706, 3889, 3961, 4183, 4240, 4272, 223, 2329, 3102, 3524, 3530, 3652, 3591, 3648, 3844, 3758, 3931, 4030, 4084, 4155, 4248, 3647, 4251, 112, 326, 3620, 4291, 4285, 4138, 4173, 3650, 3637, 3858, 3845, 3859, 3784, 3856, 3987, 3989, 3958, 965, 1092, 3626, 3679, 3883, 3762, 3793, 3739, 3983, 3930, 4026, 4072, 4052, 4178, 4190, 4148, 4198, 2191, 4163, 4252, 3561, 3557, 3617, 3616, 3895, 3808, 3894, 3753, 3755, 3809, 3960, 4006, 4021, 3962, 4081, 4156, 4204, 4130, 4203, 4162, 4235, 4222, 4257, 4259, 4269, 4281, 4270, 4295, 4274, 875, 3771, 3727, 1069, 3884]. **Review**

[4025, 3948, 4002, 3915, 3925, 4001, 4046, 4043, 3975, 4041, 3920, 3954, 3999, 4029, 4044, 4008, 4024, 4085, 4108, 4068, 4119, 4098, 4196, 4141, 4242, 4250, 3552, 3553, 3564, 3705, 3630, 3669, 3668, 3588, 3709, 3576, 3671, 3708, 3577, 3627, 3631, 3865, 3816, 3754, 3886, 3861, 3854, 3891, 3860, 3804, 3801, 3797, 3752, 3769, 3773, 3751, 3787, 4031, 4037, 4047, 3993, 4040, 3994, 4048, 3957, 4042, 3936, 4003, 4015, 3910, 4090, 4091, 4105, 4146, 4187, 4283, 4294, 3661, 2765, 3551, 316, 3660, 3623, 3998, 4165, 850, 3540, 3810, 3980, 3592, 3421, 3563, 3794, 3921, 4097, 4107, 4157, 4292, 3825]. **Review** [4150, 4186, 2644, 3423, 3578, 3587, 3608, 3678, 3597, 3832, 4007, 4017, 3982, 1100, 3525, 3717, 3614, 3632, 3862, 3078, 4112, 4114, 4115, 4117, 4159, 4161, 4158, 4160, 3720, 1057, 3768, 3770, 3843, 3952, 3562, 3531, 3653, 3691, 3589, 3874, 3882, 3789, 3740, 3950, 4099, 4093, 4200, 4151, 4205, 4224, 3819, 3978, 3533, 3532, 3697, 3849, 3926, 3527, 3712, 3756, 3973, 4164, 3665, 3749, 3846, 3905, 4019, 4282, 56, 1165, 4121, 4131, 129, 3718, 3666, 3703, 3842, 4122, 4197, 3521, 4201, 4223, 4244, 4218, 4249, 3558, 3584, 3582, 3607, 3634, 3649, 3682, 3683, 3735, 3736]. **Review** [3833, 3734, 3879, 3880, 3795, 3827, 3836, 3922, 3959, 3917, 4020, 4022, 4036, 3949, 4054, 4083, 4053, 4080, 4079, 4169, 4170, 4189, 4234, 3604, 1149, 2552, 3314, 3636, 3923, 4144, 3893, 3811, 3863, 3932, 3724, 3613, 3704, 3526, 3690, 3476, 3543, 3645, 3693, 3681, 3864, 3831, 3777, 3803, 3996, 3995, 3929, 3933, 4071, 4129, 4255, 4208, 4188, 4219, 4276, 4070, 4066, 4077, 4166, 4167, 3654, 3760, 1140, 4199, 4260, 4297, 2701, 3337, 4095, 4096, 4094, 4253, 4265, 4266, 3537, 3566, 3536, 3565, 3567, 3534, 3575, 3595, 3610, 3612, 3674, 3673, 3596, 3611, 3672, 3903, 3814]. **Review** [3887, 3904, 3742, 3745, 3888, 3902, 3813, 3890, 3743, 3812, 3939, 3941, 3940, 4065, 4064, 4063, 4220, 3281, 3555, 3528, 3529, 3702, 3701, 3871, 3838, 3870, 3837, 3979, 4086, 4092, 4142, 4147, 4171, 4174, 3786, 3788, 4216, 1039, 3928, 1562, 4290, 3977, 3937, 4034, 3976, 3713, 3733, 3815, 4059, 3985, 4109, 3605, 3542, 3568, 3535, 3556, 3598, 3621, 3606, 3675, 3624, 3667, 3615, 3722, 3581, 3684, 3707, 3586, 3662, 3798, 3818, 3847, 3867, 3857, 3829, 3737, 3775, 3792, 3876, 3802, 3850, 3892, 3897, 3765, 4004, 4039, 3956, 4033, 3924, 3997, 4023, 3981, 3916, 4058, 4116, 4067, 4172, 4136, 4207, 4176, 4215]. **Review** [4233, 3676, 4145, 4175, 1844, 4258, 3519, 3685, 3655, 3688, 3761, 4111, 4185, 4168, 3594, 3590, 3593, 2041, 1146, 44, 834, 3633, 3680, 3694, 3714, 3746, 3866, 3799, 3951, 4243, 4256, 4267, 2099, 3468, 19, 18, 8, 82, 149, 155, 266, 656, 758, 835, 1141, 1147, 1625, 1996, 3052, 2781, 3470, 2699, 3098, 3201, 1778, 1808, 1800, 584, 2614, 2596, 2767, 1820, 2034, 2840, 2485, 3298, 1836, 3472, 2868, 1177, 2544, 3154, 3116, 2459, 2662, 2904, 3091, 2082, 2754, 3371, 2866, 2977, 2942, 2740, 2867, 2945, 2801, 2948, 3055, 2995, 3142, 3150, 2382, 2763, 3442, 100]. **review** [3296, 1777, 1852, 3322, 2749, 2798, 2853, 3104, 3275, 3194, 2975, 2617, 2747, 1783, 3207, 3444, 553, 2941, 3168, 9, 3328, 2791, 1857, 3547, 3040, 3004, 146, 1938, 1801, 2693, 3851, 1770, 3126, 3184, 2850, 2737, 3113, 3642, 3643, 3689, 3732, 3783, 1359, 1843, 2035, 2678, 2538, 2675, 2886, 2980, 3224, 3262, 3163, 3287, 3381, 2690, 3093, 2340, 2612, 3143, 2670, 4180, 3469, 4051, 3274, 3227, 81, 3108, 3202, 1560, 2714, 3230, 3210, 3345, 2379, 2863, 3823,

3003, 3189, 3511, 1851, 2688, 2748, 3206, 2288, 3428, 2653, 3049, 3304, 3299, 3065, 3271, 31, 1093, 2622, 3305, 1819, 160, 2664]. **review** [3240, 2001, 1813, 2467, 3106, 537, 1653, 2712, 1716, 2595, 2624, 2880, 3062, 3172, 1858, 2580, 2657, 2943, 2825, 2909, 2782, 3109, 3256, 111, 3132, 1937, 2611, 3731, 2860, 2976, 3198, 2745, 3471, 2725, 2620, 2741, 2895, 3473, 2582, 2531, 2589, 2588, 2913, 3285, 1993, 2361, 3191, 3185, 1814, 3032, 2848, 2536, 2787, 1827, 3355, 869, 188, 2915, 2919, 1835, 1936, 3102, 3934, 3092]. **Reviewed** [2074, 2075, 2151, 2152]. **Reviews** [2051, 2058, 2065, 2072, 2100, 2106, 2112, 2125, 2130, 2135, 2140, 2214, 2218, 2222, 2232, 2280, 2284, 45, 57, 67, 130, 173, 181, 189, 199, 207, 215, 226, 233, 244, 257, 271, 280, 294, 301, 309, 318, 327, 336, 343, 351, 357, 367, 373, 383, 392, 400, 408, 418, 426, 433, 443, 449, 460, 467, 473, 480, 488, 496, 503, 512, 519, 533, 562, 569, 575, 585, 591, 599, 612, 620, 627, 634, 641, 649, 663, 668, 676, 681, 688, 695, 702, 708, 715, 720, 726, 733, 741]. **reviews** [750, 766, 773, 779, 786, 794, 803, 814, 821, 828, 841, 849, 851, 858, 876, 882, 888, 897, 910, 920, 930, 939, 948, 956, 966, 973, 985, 995, 1003, 1016, 1024, 1031, 1043, 1051, 1060, 1071, 1077, 1086, 1094, 1102, 1109, 1115, 1125, 1134, 1158, 1167, 1173, 1184, 1195, 1200, 1208, 1216, 1222, 1230, 1238, 1245, 1252, 1260, 1266, 1274, 1280, 1286, 1293, 1299, 1306, 1312, 1319, 1329, 1337, 1344, 1352, 1360, 1367, 1375, 1382, 1389, 1396, 1403, 1410, 1417, 1425, 1432, 1439, 1446, 1455, 1462, 1470, 1477]. **reviews** [1484, 1491, 1498, 1508, 1513, 1519, 1525, 1533, 1539, 1548, 1556, 1567, 1576, 1585, 1592, 1598, 1604, 1611, 1619, 1632, 1638, 1645, 1654, 1662, 1668, 1675, 1682, 1689, 1695, 1701, 1709, 1718, 1724, 1732, 1739, 1746, 1755, 1763, 1764, 1771, 1779, 1784, 1789, 1794, 1802, 1809, 1815, 1821, 1828, 1837, 1845, 1853, 1859, 1867, 1876, 1884, 1889, 1901, 1908, 1919, 1929, 1939, 1945, 1953, 1961, 1970, 1976, 1985, 1990, 2004, 2011, 2020, 2028, 2036, 2042, 2084, 2092, 2119, 2145, 2150, 2158, 2168, 2172, 2178, 2182, 2187, 2192, 2197]. **reviews** [2203, 2207, 2210, 2226, 2237, 2274, 1335, 1904, 454, 3335, 547, 527, 540, 2840, 3371]. **Revised** [3349, 2706, 3163, 3196, 3065, 3817, 2560, 4187, 3132]. **revisited** [1835]. **revivals** [2195]. **revolution** [3759, 3908, 23, 1721, 2554, 3327, 3177, 4248, 4037, 3982]. **revolutionaries** [1445]. **revolutionized** [3532]. **Revolutions** [2658, 4327, 1907, 3502, 3121, 2644]. **Reyes** [3189]. **Reyes-Lega** [3189]. **Reynolds** [4026, 2337]. **Rez** [3807]. **Rezzolla** [3278]. **Rhiger** [2775]. **Riazuddin** [3401, 2855]. **Ricardo** [4086]. **Riccardo** [2741, 4220]. **Ricciardi** [3740]. **Rice** [4139]. **Richard** [4057, 3199, 2786, 3384, 3261, 2754, 3659, 2931, 3647, 3650, 3219, 2474, 2487, 4122, 2780, 3734, 3347, 3198, 2468, 2710, 3556, 2787, 1872]. **Richards** [3067]. **Richardson** [3644]. **Richmond** [3248]. **riddle** [3336]. **Ridges** [3454]. **Ridley** [3257, 3742]. **Ridolfi** [2833]. **Ridpath** [2871]. **Rieckers** [3558]. **Rieke** [3049]. **Rift** [879]. **rigid** [4231]. **Riley** [3212, 3193, 4084, 3027]. **Ring** [284, 1262]. **Ring-laser** [284]. **rings** [141, 680, 3394]. **Ringström** [3241]. **Ríos** [4118]. **Ripoll** [3058]. **ripple** [464]. **Ripples** [3284]. **Risk**

[2047, 1067, 1068]. **Risto** [2804]. **rivalries** [410]. **Rivalry** [2980]. **river** [1873]. **Rivier** [2259]. **Rivkin** [4054]. **Road** [3088, 2854, 348, 3954, 3473]. **Rob** [3614]. **Robbins** [293, 292]. **Robert** [3211, 3692, 3102, 1092, 3436, 4283, 4294, 3312, 3374, 4329, 2499, 3486, 2664, 2778, 2595, 2611, 2589, 2638, 3285, 3701, 3178, 1092]. **Roberto** [3557, 3132]. **Roberts** [3789]. **Robin** [3112]. **Robinson** [3151]. **robust** [3328]. **Roche** [4081, 3265]. **Rochester** [137]. **rock** [3463]. **Rocket** [216]. **rockets** [2453]. **rocky** [4150]. **Rodriguez** [2614]. **Roe** [4148]. **Rogel** [3541]. **Rogel-Salazar** [3541]. **Roger** [4184, 4190, 3381, 3636, 4176]. **Rogers** [2320]. **Rogue** [3572, 2643]. **Rohde** [4248]. **Roisin** [2976]. **Rojas** [3240]. **Roland** [3563]. **Role** [1595, 710, 2252, 324, 4155, 525, 3358, 1677, 572, 1987, 2236, 3357, 2251]. **ROM** [3276, 3314]. **Roman** [3164]. **Romatschke** [4168]. **Roming** [3039]. **Romo** [4170]. **Ron** [2470]. **Ronald** [2829, 3429, 2874, 2632, 3085]. **Ronde** [3320]. **Roques** [2476]. **Rory** [2709]. **Rosanne** [3075]. **Rosenbaum** [3539]. **Rosenblum** [2796]. **Ross** [2826, 4145]. **Rosser** [326]. **Rossi** [3594]. **rotary** [2304]. **Rotating** [2501, 652, 984, 229, 3867, 2941]. **Rotation** [284, 2501, 1191]. **rotations** [1735, 4231]. **Roth** [2779]. **rotons** [1955]. **Rottwitt** [3619]. **rough** [1215]. **roughness** [1023]. **Roustem** [4241]. **Routledge** [4296, 4257, 4294, 4297]. **Rouven** [4028]. **Rovelli** [4182, 2298]. **Rowan** [2517, 3151]. **Rowan-Robinson** [3151]. **Rowe** [2816]. **Rowlands** [4144, 3261, 3587]. **Roy** [3203, 3708]. **Royal** [253, 811, 2506, 194, 64, 397, 53, 394, 261, 186, 214, 276, 350]. **Rozelot** [2501, 2898]. **Rubakov** [4008, 2815]. **Rubber** [588, 3359, 6]. **Rubin** [3040]. **Ruda** [2372]. **rudiments** [1524]. **Rudolf** [3072, 4017, 3015, 1711]. **Rudolph** [2756]. **Ruffini** [3437, 3153]. **Rukhadze** [2659]. **rules** [2219]. **Rumford** [1937]. **Rumsfeld** [2229]. **Rupert** [2437]. **Rurali** [4220]. **Russell** [3627, 2472, 3059]. **Russenschuck** [2757]. **Russian** [100, 4124]. **Russo** [3814]. **Ruth** [4157, 3086]. **Rutherford** [380, 291, 145, 291, 196, 148, 662]. **Ryabova** [4058]. **Ryan** [2874, 2620, 3815]. **Rydberg** [2253, 1518, 1541, 916, 712, 2254]. **Rydbergs** [4118]. **Ryden** [3723]. **Ryutin** [3593]. **Ryutova** [3957].

S [2502, 4110, 3470, 2893, 1191, 3506, 2386, 2485, 3203, 2439, 2403, 4055, 4273, 2425, 3644, 2770, 2727, 3945, 4184, 3123, 3744, 2838, 2779, 2626, 3168, 2872, 2342, 3793, 4190, 2394, 4162, 4257, 2366, 2429, 2567, 4001, 4044, 3297, 3057, 3074, 2996, 3477, 3668, 3709, 3993, 4048, 4015, 2674, 2609, 2372, 2348, 2678, 2251, 2249, 2333, 3258, 3235, 2379, 2355, 2688, 2881, 2738, 4159, 2899, 2773, 3768, 3770, 3140, 2649, 2803, 3533, 2818, 3045, 3019, 4019, 4121, 3718, 2815, 2633, 2874, 4036, 4054, 2393, 3604, 2728, 3811, 3132, 3995, 4276, 3014, 3760, 2557, 4297, 2322, 2317, 3566, 3536]. **S** [3596, 4063, 3702, 2540, 2424, 2398, 2669, 2599, 2413, 2591, 2663, 2885, 2934, 2969, 3041, 3684, 4067, 4176, 3676, 3761, 2345, 2041, 2547, 2967, 1146, 3633, 3714, 4267, 2450]. **S.-H** [2355]. **S.-I** [2818]. **S.I.** [390]. **S245** [2467]. **S263** [2737]. **S264** [2898]. **S266** [2780]. **S279** [3039, 3267]. **S282** [3067]. **S287** [3203]. **S291** [3267]. **S292** [3348]. **Sá** [4119]. **Saad** [4235]. **Saarloos** [3002]. **Sabine** [2923]. **Sachdev** [2893, 2728].

Sachs [2747]. **Sadamichi** [3184]. **Sadana** [2673, 2673]. **Sadao** [3083]. **Sadegh** [3504]. **Sadenius** [2751]. **Sadri** [2552]. **Sadruddin** [3688]. **safe** [1501]. **safety** [1866, 2035, 1104, 348, 3954]. **saga** [2407]. **Sagan** [1968]. **Sagir** [4254]. **Saha** [3543]. **Sahakian** [4129]. **Saikia** [2934]. **Sailing** [2407, 2588]. **Saitoh** [3184]. **Salam** [2870, 3976, 2239]. **Salasnich** [3393]. **Salazar** [3541]. **Salby** [2890]. **Saleem** [3073]. **Salzburg** [193]. **Samaj** [3591]. **Samei** [4165]. **Samorì** [2795]. **Sample** [2564]. **Samrath** [2712]. **Samuel** [3510]. **Samya** [4188]. **Sanchez** [2618]. **Sanchez-Lavega** [2618]. **sand** [1792]. **Sanda** [2586]. **Sander** [2401]. **Sanders** [3816, 2664]. **Sandoghdar** [3772]. **Sándor** [3764]. **Sandra** [2463, 4224]. **Sanjay** [4178]. **Sanjuan** [3566]. **Sankar** [3540]. **Sanpera** [3022]. **Santen** [4099]. **Santos** [3659]. **Santosh** [3041]. **Sanz** [2979]. **Sara** [2654]. **Saraceno** [2970]. **Sarantsev** [3218]. **Sarath** [2775]. **Sarbani** [4007]. **Saris** [2534]. **Saskia** [3379]. **Satellite** [102, 553, 261]. **satellites** [840, 572, 262]. **Sato** [3544]. **Sattler** [3307]. **Saturn** [4042]. **Satya** [2750, 3543]. **Savart** [238, 133]. **Saxby** [2684]. **Sayed** [3504]. **Saylan** [4290]. **Scalar** [4044]. **Scalas** [2634]. **scale** [372, 4277, 1758, 4358, 2733, 4151, 3534, 321, 2893, 4041]. **scales** [2161, 772, 3601]. **Scaling** [2410, 3920]. **scalpel** [116]. **Scanning** [502, 1502, 1563, 2076]. **Scarani** [3680]. **scatter** [729, 1775]. **Scattering** [3118, 756, 3382, 725, 2633, 2227, 2347, 881, 1187, 603, 761, 693, 788, 607, 1076, 622, 830, 3675, 2955, 3321, 3236, 3835]. **Scenes** [3197]. **sceptical** [72]. **Scerbo** [3653]. **Scerri** [3244]. **Schadschneider** [2745]. **Schäfers** [3098]. **Schakel** [2349]. **Scharf** [2766]. **Scherzer** [2973]. **Schiavone** [2417]. **Schieve** [2454]. **Schilling** [3001, 1146]. **Schleich** [2296]. **Schleicher** [4033]. **Schlieren** [300]. **Schliesser** [2983]. **Schmidt** [3483, 3175]. **Schmitz** [4018]. **Schneider** [4275]. **Schoelkopf** [3374]. **Scholarly** [2041]. **Scholl** [2528]. **School** [4124, 2846, 372, 4283, 4117, 290, 3836, 2322, 159, 206, 3389, 3772, 2760]. **schools** [194, 176, 52, 131, 117, 120, 231]. **Schörner** [2751]. **Schörner-Sadenius** [2751]. **Schottky** [1118]. **Schötz** [3696]. **Schreier** [2766]. **Schrijver** [2993, 2440, 2721]. **Schrödinger** [3056, 2995, 3727, 4105, 1235, 2262, 3640, 3600, 4069, 2261, 3239]. **Schroeter** [4066]. **Schulman** [4276]. **Schulz** [2737]. **Schumacher** [2536]. **Schuster** [2840]. **Schwartz** [3810, 3316]. **Schweber** [3945]. **Schwinger** [3819]. **sci** [1243]. **sci-fi** [1243]. **Science** [3841, 43, 159, 206, 1865, 4202, 4232, 2527, 2596, 3051, 2843, 4140, 740, 40, 2707, 3371, 2977, 1952, 4209, 3139, 2342, 1972, 4173, 2930, 1687, 2684, 177, 2794, 3343, 221, 1983, 3400, 2506, 2668, 2675, 3196, 3128, 3274, 3445, 2367, 101, 4161, 2884, 3084, 3234, 3238, 1761, 1165, 1883, 4201, 4244, 4249, 4338, 2880, 4144, 3426, 4253, 2582, 4142, 4174, 85, 4344, 3085, 3284, 3372, 4352, 868, 3806, 4078, 2010, 4057, 69, 167, 342, 358, 4225, 1778, 3700, 3918, 3472, 3984, 307, 397, 3945, 4103, 4027, 4113, 2945, 2061, 3908, 2749, 3226, 3308, 1982, 885, 2089, 2504]. **science** [3637, 3989, 1915, 289, 341, 52, 4047, 2407, 2765, 3120, 3335, 2397, 1636, 3998, 14, 30, 2353, 26, 98, 2437, 2642, 1295, 2473, 4186, 2371, 2435, 2644, 2206, 235, 4117, 945, 3768, 2517, 4099, 279, 3571, 315, 4019, 1393, 2380,

2581, 2552, 2854, 4125, 3995, 25, 1461, 3702, 231, 1968, 3664, 1616, 1327, 3729, 1827, 106, 74, 362, 4256, 145, 180, 221, 437, 3180, 3444, 2548, 2980, 2724, 2671, 4223, 2451, 2507, 3306, 2534, 2456, 3300, 3766, 3721, 4221, 4291, 4204, 3649, 3890, 3997, 3195, 3525, 2773, 2884]. **Sciences** [3212, 3026, 187, 2288, 2378, 2804, 237, 245, 3060, 48, 2960, 577, 79, 2173, 3212, 3193, 2623, 3340, 3188, 3096, 2833, 2804, 4148, 4093]. **Scientific** [4132, 4106, 4010, 3909, 2463, 4062, 4225, 1907, 4268, 4300, 4056, 4055, 4231, 4293, 2742, 2856, 4028, 4123, 4069, 2082, 4113, 2057, 846, 4359, 3448, 4030, 4138, 4163, 3999, 4029, 4044, 4008, 4024, 4108, 4068, 4119, 4098, 4196, 3219, 3093, 3821, 2670, 3998, 1343, 739, 4124, 3423, 4112, 4114, 4099, 3243, 391, 4164, 4121, 4223, 4083, 4080, 3996, 4255, 4070, 4167, 3337, 4095, 4096, 4265, 4086, 4004, 3956, 4033, 3997, 4172, 3164, 4243, 4057, 18, 70, 43, 2661, 3774, 2509, 324, 2672, 23, 2504, 3844, 2352, 331, 4037, 2050, 2064, 807, 3660, 1029, 3525, 941, 31, 3724]. **scientific** [2278, 3612, 2426, 2413, 4067, 2528, 2512, 3259, 3649]. **Scientist** [3178, 4120, 4078, 4060, 4106, 2686, 2883, 3122, 3395, 3318, 3368, 3333, 3201, 4241, 4217, 4284, 4275, 2851, 2843, 2949, 4206, 3154, 3116, 2770, 3091, 3167, 4191, 3349, 3038, 3095, 3035, 3247, 2798, 2785, 3104, 3275, 3194, 3179, 3353, 3408, 3499, 3488, 4272, 2747, 3448, 3502, 2791, 4072, 4190, 4198, 4252, 2702, 2660, 2800, 3407, 3205, 4068, 3184, 4242, 4250, 2709, 3088, 3196, 3375, 2612, 3143, 3366, 2670, 2771, 3050, 2891, 3128, 3227, 3080, 3005, 3230, 3210, 4186, 3026, 3003, 3424, 2680, 2881, 2309, 2465, 2464, 2671, 2584, 3246, 3367, 2685, 3145, 3031, 3259, 3232, 3307, 3449, 4200, 4205]. **scientist** [4224, 3049, 3234, 3065, 3430, 3125, 3305, 2784, 2780, 2624, 2835, 2874, 2837, 2834, 2750, 2880, 3062, 3119, 3063, 3172, 3409, 4189, 2782, 3347, 3132, 2722, 3414, 4219, 4276, 3346, 2725, 4199, 2608, 2620, 2896, 2814, 2741, 3197, 3461, 4266, 2503, 2799, 2994, 2665, 2666, 2832, 3484, 3474, 4215, 3067, 3267, 3300, 3348, 4185, 2882, 3164, 2769, 4110, 4073, 4154, 4240, 4155, 4085, 3421, 4054, 4255, 4290, 4058, 4116, 4067, 4111, 4168, 2870, 3139]. **scientist/engineer** [2309, 2465, 2464, 2671, 2584]. **Scientists** [2901, 2921, 222, 4211, 1754, 3974, 2955, 2865, 3371, 100, 2941, 2907, 9, 4084, 2294, 2954, 2944, 3219, 2548, 2849, 2980, 961, 3283, 3457, 3460, 2355, 2929, 3140, 2518, 2649, 2653, 2499, 2998, 2487, 4197, 2924, 2825, 2895, 4095, 4265, 2928, 1644, 2915, 2920, 2967, 2837, 2317, 2967, 3808, 3755, 4034, 3918]. **scientists/condensed** [2487]. **scintillations** [783]. **scissors** [3463]. **Scope** [4120, 4078, 4060, 4106, 4057, 4062, 4110, 4082, 4241, 4232, 4254, 4056, 4055, 4296, 4231, 4293, 4073, 4123, 4069, 4154, 4177, 4184, 4113, 4118, 4061, 2057, 4240, 4084, 4155, 4248, 4251, 4291, 4173, 4072, 4052, 4178, 2191, 4163, 4252, 4081, 4156, 4162, 4235, 4257, 4259, 4295, 4085, 4108, 4068, 4119, 4242, 4250, 4105, 4294, 4165, 3421, 4107, 4157, 4292, 4112, 4114, 4115, 4117, 4159, 4161, 4158, 4160, 4164, 4121, 4122, 4244, 4249, 4054, 4083, 4053, 4080, 4079, 4169, 4170, 4234, 3476, 4071, 4255, 4070, 4066, 4077, 4166, 4167, 4260, 4297, 4253, 4064, 4063, 4086, 4171, 4174, 2501, 4290]. **Scope** [4059, 4109, 4058, 4116, 4067, 4172, 4176, 4233, 4175, 4258, 4111, 4168, 869, 4243, 4256, 4065, 2921, 2312, 2686, 2883, 3122, 3157, 3395, 3318, 3393, 3368,

3025, 3111, 3211, 3333, 3052, 3112, 3199, 3350, 2433, 2463, 2462, 2661, 2502, 2788, 2829, 4211, 4225, 4286, 2414, 2781, 2346, 2772, 2809, 2786, 2926, 2756, 2989, 3061, 3073, 3079, 3295, 3480, 3498, 3098, 3201, 2667, 2296, 2297, 2357, 3509, 2374, 4217, 4284, 4275, 2491, 2560, 2614, 2555, 2936, 3115, 3022, 3180, 3458, 3506, 4202, 4268, 2290, 2897, 2819, 3301, 2648, 2583, 2911, 3241, 2527, 2596, 2767, 2927, 3051, 3097, 2851]. **Scope** [2840, 2843, 3107, 2385, 2386, 2458, 2486, 2659, 2485, 2593, 2949, 2828, 3011, 3203, 3298, 3365, 2830, 2335, 2439, 2403, 2334, 2375, 2522, 2715, 2774, 2858, 3029, 3124, 2966, 3313, 3491, 3485, 4210, 4273, 4271, 2425, 2868, 4206, 2411, 3072, 2544, 3376, 2585, 3154, 2795, 2955, 2865, 3116, 3384, 2311, 2356, 2471, 2350, 2459, 2615, 2679, 2545, 2495, 2658, 2600, 2565, 2564, 2508, 2662, 2490, 2498, 2912, 2857, 2870, 2742, 2707, 2751, 2904, 2770, 2856, 2727, 3091, 2981, 3089, 3056, 3017, 3037, 3133, 3010, 3229, 3237, 3261, 3167, 3195, 3171, 3403, 3406, 3412, 3320, 3383, 3462]. **Scope** [3425, 4182, 4191, 4221, 2293, 2320, 2412, 2509, 2754, 2347, 2757, 3349, 3371, 3137, 2866, 3038, 2977, 3095, 3035, 3247, 2942, 2740, 2867, 2945, 2801, 2948, 3055, 2995, 3142, 3150, 3442, 3123, 3296, 2823, 2939, 2984, 3023, 2672, 2708, 3322, 3373, 3507, 4209, 2749, 2842, 3396, 2673, 2798, 2838, 2836, 2853, 2785, 3104, 3275, 3194, 3179, 3353, 3408, 3499, 3493, 3488, 4183, 4272, 2764, 3102, 3226, 3308, 2975, 3076, 3144, 3212, 3193, 2617, 2747, 2428, 2696, 2775, 2779, 3207, 2931, 3092, 3370, 3444, 2941, 2504, 2621, 2907, 3075, 3152, 3168, 2735, 2790, 2937, 2872, 2755, 3139, 3192]. **Scope** [3302, 3448, 3502, 2352, 2906, 2766, 2341, 2342, 2421, 2563, 2494, 2792, 2878, 2847, 3083, 3105, 2992, 3245, 3165, 3257, 2791, 2841, 4285, 2541, 2533, 2655, 2301, 2392, 3040, 3004, 2999, 2561, 2687, 2845, 3036, 2901, 2806, 2930, 3047, 3009, 3117, 2684, 4190, 4198, 2294, 2394, 2529, 2625, 2537, 2777, 2794, 2776, 3118, 2965, 3181, 3279, 3280, 3177, 3343, 3344, 3494, 3496, 3501, 3450, 3452, 3451, 4204, 4203, 4222, 4269, 4281, 4270, 4274, 2702, 2693, 2302, 2366, 2429, 2567, 2542, 2660, 2800, 2954, 2944, 3054, 3204, 3323, 3407, 2601, 2887, 3126, 2979, 3205, 4196, 3184, 3321, 2850, 3297, 2726, 2737, 3113]. **Scope** [3007, 3081, 3057, 3043, 2993, 3044, 3074, 3016, 2996, 3268, 3190, 3266, 3219, 3377, 3341, 3315, 3317, 3400, 3309, 3394, 3364, 3478, 3435, 3438, 3479, 3427, 3437, 3436, 3456, 3477, 3422, 3455, 3459, 2289, 2313, 2457, 2597, 2489, 2674, 2566, 2609, 2528, 2816, 2706, 2918, 3013, 3099, 4187, 4283, 2330, 2318, 2372, 2348, 2402, 2387, 2452, 2519, 2548, 2678, 2538, 2506, 2668, 2675, 2932, 2849, 2765, 2709, 2820, 2886, 2783, 2746, 3131, 3088, 3046, 2980, 3120, 3254, 3224, 3262, 3163, 3287, 3253, 3244, 3196, 3375, 3369, 3335, 3405, 3381, 2690, 3093, 3270, 3312, 3453, 2340, 2333, 2397, 2612, 3431, 3143, 3233, 3258, 3366, 3429, 2670]. **Scope** [3374, 2396, 3024, 2771, 2844, 2724, 3050, 3392, 3135, 2898, 2562, 3034, 3071, 3235, 3169, 3303, 3398, 3492, 2431, 2524, 2716, 3273, 2891, 3121, 3363, 3399, 3510, 3128, 3018, 3274, 3227, 3497, 2300, 2365, 2353, 2523, 2817, 3382, 2703, 3114, 3108, 3202, 3200, 3269, 3277, 3401, 3080, 3005, 2437, 2343, 2714, 2808, 3354, 3230, 3210, 2473, 2430, 2691, 3345, 3415, 3446, 3445, 4186, 2292, 2371, 2435, 2623, 2539, 3100, 2367, 2351, 2379, 2461, 2474, 2354, 2476, 2438, 2616, 2644, 2493, 2525, 2889, 2902, 2863, 3263, 3283, 3187, 3186, 3182, 3340,

3423, 3457]. **Scope** [3454, 3487, 3460, 2299, 2682, 2505, 2526, 3026, 3003, 3424, 3189, 3511, 2355, 2680, 3015, 2692, 2950, 2797, 3162, 3447, 2688, 2916, 2881, 2929, 2748, 2738, 2923, 2933, 2864, 3078, 2983, 3208, 3206, 2288, 2466, 2594, 2497, 2899, 2773, 3428, 2309, 2465, 2464, 2671, 2584, 2753, 3140, 2973, 3058, 3246, 3367, 3027, 3030, 2395, 2455, 2427, 2517, 2647, 2543, 2518, 2649, 2653, 2685, 2499, 2512, 2743, 2739, 2803, 2940, 2884, 2946, 3084, 3145, 3031, 2998, 3259, 3232, 3307, 3351, 3449, 3486, 3432, 4200, 4205, 4224, 3049, 3231, 3234, 3243, 3304, 3299, 3065, 3271, 2587, 2622, 3430, 3125]. **Scope** [3216, 3218, 3305, 3310, 2694, 2796, 3006, 3053, 2839, 2908, 2681, 2689, 2713, 2744, 2873, 2875, 2729, 2824, 2914, 2821, 2855, 2935, 2818, 2890, 2903, 2869, 2972, 3155, 3000, 3045, 3090, 2971, 2985, 3019, 3070, 3248, 3238, 3166, 3282, 3316, 3500, 4282, 2652, 3276, 3272, 3103, 2460, 2664, 2877, 3240, 3311, 555, 2295, 2467, 2434, 2449, 2651, 2778, 3106, 2332, 2472, 2432, 2487, 2784, 2712, 3127, 3033, 3012, 3086, 4197, 3209, 3213, 3214, 2415, 2595, 2815, 3094, 3332, 4201, 4223, 4218, 2780, 2624, 2835, 2874, 2924, 2837, 2834, 2760, 2876, 2750, 2880, 3062, 3066, 3002, 3119, 2997]. **Scope** [3063, 3172, 3409, 4189, 3156, 2393, 2974, 3413, 3490, 2436, 2391, 2380, 2580, 2657, 2581, 2677, 2521, 2676, 2943, 2825, 2909, 2854, 2728, 2782, 2846, 3028, 3109, 3183, 3256, 3188, 3347, 3314, 2441, 2440, 3132, 2611, 2500, 2520, 2607, 2556, 2513, 2705, 2860, 2722, 3096, 2976, 3402, 3239, 2389, 2410, 2546, 2535, 3198, 2443, 2418, 2416, 2419, 2695, 2510, 2511, 2833, 2711, 2745, 3064, 3414, 3380, 3489, 4208, 4188, 4219, 4276, 2759, 3138, 3014, 3346, 2725, 2717, 2557, 4199, 2322, 2310, 2314, 2390, 2496, 2608, 2620, 2701, 2896, 2814, 2741]. **Scope** [2895, 3197, 3225, 3228, 3461, 4265, 4266, 2315, 2316, 2317, 2377, 2376, 2331, 2378, 2568, 2592, 2925, 2719, 2720, 2804, 2879, 2888, 2805, 3148, 3059, 3146, 3141, 3255, 3264, 3265, 3319, 3362, 3339, 3404, 3391, 3410, 3440, 3482, 3441, 3481, 3434, 3483, 3505, 3439, 3504, 3433, 3503, 4220, 2532, 2582, 2531, 2589, 2588, 2938, 2910, 2913, 3048, 3151, 3149, 3285, 3281, 2718, 2579, 2723, 2978, 4216, 2442, 2468, 2501, 3286, 2987, 2349, 2422, 2540, 2530, 2793, 2951, 2952, 2859, 2758, 2947, 3236, 2982, 2409, 2298, 2401, 2424, 2398, 2370, 2400, 2368, 2399, 2369, 2423, 2619, 3217, 3191, 3185, 3278]. **Scope** [3508, 2503, 2417, 2645, 2558, 3136, 2799, 2789, 2488, 3147, 2321, 2618, 2807, 2826, 2905, 2994, 2968, 2654, 2444, 2683, 2492, 2831, 2822, 2953, 2894, 3087, 2986, 3032, 2848, 2454, 2669, 2536, 2599, 2291, 2665, 2666, 3178, 2453, 2388, 2475, 2373, 2426, 2413, 2470, 2613, 2646, 2590, 2507, 2591, 2559, 2656, 2663, 2484, 2885, 2802, 2934, 2956, 2721, 2900, 2871, 2957, 2710, 2736, 2827, 2832, 2928, 3082, 2970, 3134, 3068, 3001, 3069, 3153, 3020, 3110, 3085, 3129, 2969, 3041, 3021, 3042, 3215, 3242, 3170, 3260, 3284, 3411, 3338, 3306, 3372, 3379, 3443, 3484, 3475, 3474, 3495, 4207, 4215, 2534, 2598, 2787, 3397, 2456]. **Scope** [3039, 3067, 3267, 3300, 3348, 4185, 2319, 2344, 2752, 2345, 2469, 2922, 2917, 2964, 3378, 3355, 2547, 2915, 2920, 2882, 2967, 2919, 2852, 2586, 2358, 2420, 2650, 2610, 2768, 3164, 2769, 4267, 2704, 2990, 2450]. **Scott** [3607, 2826, 4258, 3655, 3692]. **Scotti** [3031]. **Scottish** [275]. **scratch** [2162, 1488]. **Screen** [2668]. **Sea** [3372, 493, 776, 1035, 3372]. **sea-floor** [493].

Sea-level [3372, 3372]. **Seager** [2654]. **Sean** [3273, 2620]. **Search** [3195, 2044, 3423, 2186, 2970, 4351, 2225, 1189, 690, 3227, 1812, 3811, 4065]. **Searches** [1847, 3547, 1380]. **Searching** [3080]. **Searle** [3555]. **seas** [808, 3284]. **season** [1085]. **Seattle** [4256]. **seaweed** [1561]. **Sebastian** [3343]. **Sébastien** [3671]. **Second** [3201, 3875, 3274, 3234, 3065, 3863, 3255, 3458, 4248, 1721, 4201, 4244, 13, 61, 133, 3645, 1916, 3475, 3581, 4342, 2614]. **second-order** [13, 61, 2614]. **Secret** [4298, 4299, 4302, 2329, 4027, 2772]. **Secrets** [2532, 2070, 2813, 1826]. **section** [240, 79]. **sector** [4233]. **secured** [3504]. **security** [2228]. **Sedlmayr** [3309]. **see** [3624]. **Seed** [4050]. **seeding** [1117]. **Seeing** [1806, 3472, 3968, 2506]. **seeking** [1936]. **seemingly** [3525]. **seen** [1801, 362]. **Seestrom** [3590]. **Segal** [3753]. **Segrè** [1265]. **Seidelmann** [2727, 3069, 3685]. **Seideman** [2628]. **Seiringer** [2601]. **Seismic** [3614]. **Seismology** [3007, 4080, 3717, 3722]. **Seitaridou** [3186]. **Sekino** [3630]. **Selcuk** [3995]. **Selecta** [2368]. **Selected** [848, 3885, 3747, 3551]. **selection** [5, 2215]. **selenium** [962]. **Self** [1027, 2461, 2998, 2014, 979, 3070]. **Self-Assembled** [2461, 2014]. **self-diffusion** [979]. **Self-Organised** [3070]. **Self-Organized** [2461, 2998]. **Self-trapping** [1027]. **Selling** [4057]. **Selsis** [2387, 2476]. **Semi** [2686, 2807]. **Semi-Classical** [2686, 2807]. **Semiclassical** [1955, 3933, 4141]. **Semiconducting** [558, 559]. **Semiconductor** [3013, 2932, 964, 3530, 201, 1503, 4220, 2014, 2421, 4162, 2538, 3030, 2946, 2805]. **Semiconductors** [2942, 2792, 3083, 1363, 571, 2573, 1326, 1308, 1285, 2096, 518, 1030, 1211, 901, 542, 135, 1748, 1311, 679, 543, 1289, 1588, 532, 2878, 3257, 3764, 3451]. **Semimetals** [679]. **seminar** [69]. **Sen** [3540, 3539, 2545]. **Sénéor** [3736]. **senior** [2293, 2525, 2889, 3186, 2295, 2442, 2683]. **sense** [3848, 3949, 3731, 3645]. **Sensing** [2288, 896, 1572, 1751, 2584, 3231]. **Sensitivity** [2354, 4280]. **sensor** [4251]. **Sensors** [3407, 3084, 2717, 1191, 1820, 1896, 3862, 3951, 3013, 3745]. **sensorship** [1058]. **separation** [172, 1496, 863, 2209]. **September** [193, 156, 89, 278, 277, 76, 242]. **sequence** [363]. **Serbo** [4187]. **Sergei** [4223, 2879, 2832]. **Sergey** [2563, 3040, 2746]. **Sergio** [3646, 3184, 3511, 3565]. **Series** [2926, 3116, 2806, 4190, 2794, 3013, 2288, 2455, 2884, 3145, 4205, 2295, 3132, 2416, 2378, 2804, 2888, 3147, 409, 4198, 2344, 2253]. **Serjeant** [3436, 2591]. **Serpengüzel** [2787]. **service** [397, 2211, 792]. **Serving** [3253]. **session** [177]. **Sessler** [3349]. **Set** [3353, 3246, 3119, 2086, 3509, 2795, 3626, 4255]. **Seth** [4275, 2585]. **Sethna** [4175]. **sets** [2153]. **Seven** [3244, 1833, 4191]. **seventeenth** [23]. **seventieth** [694]. **Sevia** [3504]. **Sevrin** [3133]. **Sh** [2466]. **Sha** [3402]. **shadow** [1273, 4023]. **shake** [1101]. **Shaking** [1571]. **Shalaev** [2791]. **shallow** [3867]. **Shamonina** [2458]. **Shane** [2584]. **Shanmuganathan** [3657, 3658]. **Shape** [2807, 4274, 457, 1627]. **shaping** [3418, 3357, 483]. **Shapira** [4255]. **Shapiro** [3065, 2649]. **sharing** [2862]. **Sharon** [2537]. **Shattered** [3758]. **Shatterer** [1092]. **Shattuck** [3607]. **shear** [2406]. **Shedding** [3396]. **Shell** [2689, 2514]. **Shellard** [2599]. **Shells** [3309]. **Shelton** [2607, 1146]. **Shen** [4250]. **Shepard**

[3737]. **Sherwood** [4097]. **Shifman** [4030, 2875]. **shift** [3078]. **Shifting** [2807]. **Shigeji** [3501]. **Shigemitsu** [4284]. **Shigeru** [3103]. **Shik** [2930]. **Shima** [3544]. **Shimabukuro** [2486]. **Shimada** [2925]. **Shimakawa** [3764]. **Shimon** [3163]. **Shimony** [3386]. **shine** [3228]. **shining** [2551]. **Shinn** [3433]. **Shiung** [3299]. **Shlomo** [3110]. **Shock** [234, 223, 2974]. **Shoenberg** [1057]. **Sholl** [4273]. **Shong** [2773]. **Shoogo** [4284, 3630]. **Shoot** [3870]. **Shore** [2847, 2366]. **Short** [947, 957, 974, 986, 996, 1004, 1017, 1032, 1061, 1087, 1320, 1330, 1345, 1353, 1361, 1368, 1376, 1383, 1397, 1447, 1492, 1499, 1612, 1860, 1868, 1877, 1890, 1909, 1930, 1940, 1962, 1986, 2091, 2105, 2111, 2118, 2139, 2144, 2790, 2323, 2477, 3120, 3018, 3263, 2434, 2426, 2650, 2990, 3757, 3622, 3651, 3790, 3805, 4016, 468, 464, 4073, 3599, 3856, 4095, 4265, 2413, 161, 174, 182, 190, 200]. **Shortcuts** [3164]. **Shostak** [4275]. **Should** [3009]. **Shouyun** [3441]. **Shuang** [3542]. **Shubina** [3530]. **Shubnikov** [3984]. **Shultis** [2860]. **Si** [2892, 561, 797]. **Sibtain** [2876]. **Siddhartha** [3540]. **Side** [2589, 3670]. **Sidney** [3911, 2619]. **Signal** [2766, 2419, 2975]. **Signals** [2766]. **Signatures** [4348, 4150, 3869]. **significance** [951, 1652]. **Signs** [2049]. **Silicon** [1007, 1177, 287, 878, 1257, 3481, 3141]. **Silva** [2771, 2608]. **Silvan** [3945]. **silver** [991, 432]. **Silverman** [3414]. **Similarities** [2345]. **similitude** [4222]. **Simm** [3614]. **Simmons** [4183]. **Simon** [848, 3322, 3553, 3457, 3259]. **Simons** [3948]. **Simple** [3302, 3807, 410, 4210, 1657, 339, 355, 4274, 3563, 385, 514, 1210, 3142, 3186]. **simpler** [3222]. **Simplicity** [3380]. **Simulating** [3022, 1787]. **Simulation** [3023, 1091, 2061, 3842, 2660, 4217]. **Simulations** [3127, 3147, 3518, 2927, 4283, 3476]. **simulator** [501]. **Sine** [2206]. **Sine'-phony** [2206]. **Singapore** [4106, 4010, 4062, 4225, 4268, 4254, 4056, 4055, 4231, 4293, 4028, 4123, 4069, 4113, 4030, 4163, 3999, 4029, 4044, 4024, 4108, 4068, 4119, 4098, 4196, 3998, 3423, 4112, 4114, 4099, 4121, 4083, 4080, 3996, 4255, 3337, 4096, 4220, 4086, 4004, 4033, 3997, 4067, 4172, 2846]. **Singh** [4240, 2348]. **Single** [3250, 3364, 2132, 2108, 121, 2076, 4212, 2381, 212, 2814]. **Single-photon** [2132, 2381]. **Singular** [3682]. **singularities** [3477]. **singularity** [3859]. **Sir** [2335, 1757, 2765, 1205, 648, 796, 331, 1136]. **Sirenko** [3747]. **Sirius** [2438]. **Sirohi** [2557]. **Siscoe** [2993, 2721]. **Sitter** [3560]. **Sivia** [2633]. **Sixth** [3286]. **size** [299, 1237, 3982]. **Sizes** [3283]. **skeletons** [2041]. **Skidding** [6]. **skills** [4057]. **Skinner** [3260]. **skirmish** [2167]. **Skobel'tsyn** [555]. **Skomski** [3142]. **Skorobogatiy** [2341]. **Sky** [2439, 3472, 2022, 4333, 4334, 4285, 3643, 2215, 3615, 3135, 3427, 3668]. **skylight** [3251]. **Skyrmions** [3992, 3872]. **Slavik** [3119]. **Slawinski** [4293, 4080, 2776, 2702]. **slip** [1737]. **slit** [212]. **Sloan** [2022]. **Slough** [334]. **Slow** [659, 2094, 3835, 2155, 2342]. **slow-neutron** [3835]. **Sluckin** [2668]. **Small** [3405, 3283, 3404, 1358, 1833, 372, 546, 3534]. **small-scale** [372]. **Smart** [2006]. **smell** [2602]. **Smilga** [4163]. **Smirnov** [3610]. **Smith** [1092, 4040, 3597, 3016, 3283, 2778, 2436, 3615]. **smooth** [1215]. **Snow** [1096, 2256, 1570, 2255]. **snowflake** [1622, 1782]. **Snyder** [2794]. **Soap**

[1199, 2260, 2668, 2259]. **Social** [3031, 3306, 1952, 4093]. **Society** [158, 554, 38, 51, 36, 76, 37, 39, 97, 143, 194, 64, 811, 308, 605, 442, 261, 214, 276, 350, 2506]. **sociological** [2191]. **sociology** [3664]. **Soffel** [2727]. **Soft** [2616, 314, 1960, 3505, 3675]. **softback** [4225, 4123]. **softcover** [4176]. **software** [3476, 2670]. **soil** [529, 3786]. **Sokolov** [2825]. **Solar** [224, 2737, 2993, 1583, 2891, 2295, 3028, 3136, 2832, 3443, 891, 4252, 3886, 4037, 218, 1911, 4054, 2223, 1572, 2404, 4353, 2898, 2839, 2440]. **Solid** [453, 2537, 2873, 2987, 1055, 2488, 3659, 1742, 3960, 466, 731, 1528, 900, 1602, 1670, 1243, 2040, 4096, 39, 3213, 4009, 2865]. **Solid-state** [453, 3659, 1742, 1528, 39, 2865]. **solidification** [723]. **Solids** [375, 2897, 4306, 3424, 2712, 142, 1615, 1146, 826, 4247, 92, 114, 756, 1027, 602, 1129, 711, 1010, 47, 386, 401, 847, 857, 552, 970, 1298, 809, 827, 2667, 440, 2522, 2966, 2749, 2703, 3108, 2466, 4178, 3616, 4006, 3632]. **Soliton** [3504]. **Solitons** [2999, 2544]. **Solomon** [4048]. **Solution** [3212, 2653, 3193, 2186, 3401]. **Solutions** [2781, 2999, 2457, 2706, 3233, 4210, 1435, 3895, 2235, 3633, 3052, 2786, 2987, 2705, 3830, 3952]. **solvable** [3652]. **Solvation** [3118]. **Solvay** [3133]. **Solve** [2518]. **Solved** [3114, 4187, 2781]. **Solving** [4309, 2649, 3960, 4201, 4258, 4003]. **Solymar** [2458, 3647]. **Some** [771, 861, 162, 630, 838, 236, 295, 862, 580, 1602, 963, 135, 1421, 447, 214, 276, 350, 12, 228, 2661, 2170, 438, 1529, 537, 3735, 738, 1082, 3929]. **Something** [1050, 4194]. **somewhere** [2133]. **Sommerfeld** [2585]. **sonar** [2307]. **Sondergaard** [3483]. **Song** [3145]. **Sonic** [856]. **Sonnenschein** [2622]. **Sonoluminescence** [1848]. **Soo** [2932]. **Soo-Jin** [2932]. **Soukoulis** [2300]. **Soul** [3253]. **Souma** [2657]. **Sound** [2216, 1792, 2550, 4244, 1527, 3765]. **Sound-producing** [1792]. **sounding** [729]. **sounds** [399]. **Source** [2451, 2789, 658, 1885, 2449]. **sources** [3250, 752, 2381, 436, 924, 978, 2132, 3387, 3581, 3792, 4058, 4215, 1414, 7]. **South** [315]. **Soviet** [3938, 2008]. **Space** [1098, 1164, 2648, 3072, 2545, 2981, 3261, 3406, 3137, 1745, 2984, 1589, 1874, 1714, 2993, 3821, 10, 281, 305, 312, 329, 337, 344, 2889, 4264, 3276, 3106, 3471, 2718, 1482, 2370, 2492, 439, 2590, 2721, 1974, 2195, 3644, 671, 2382, 1002, 2063, 445, 1697, 1760, 660, 2143, 3794, 1228, 654, 4121, 1606, 3558, 3693, 3467, 4253, 3595, 1304, 85, 1751, 228, 1278, 1282, 2453, 3850, 1659, 3746, 2652, 2780, 3355, 3164, 4137, 3296, 3627, 4186, 3182, 2449]. **Space-charge** [439]. **space-science-and-public-engagement** [4186]. **space-time-matter** [4121]. **Spacecraft** [2453, 435, 1021, 1006]. **Spacelab** [843]. **Spacetime** [2524, 4330, 4331, 4332, 4191, 2153, 4036, 3437, 3153, 4141]. **spacious** [1084]. **Spain** [968, 1507]. **Spallation** [924]. **Spark** [230]. **Sparse** [3449, 4347]. **spatial** [1776]. **Special** [3461, 82, 3560, 457, 2155]. **specialised** [3183]. **Specialist** [4110, 3310, 555, 869, 4120, 4078, 4060, 4106, 2686, 2883, 3157, 3395, 3333, 3112, 2433, 4225, 2756, 3098, 2296, 2357, 4241, 2555, 3022, 3506, 2843, 2593, 3203, 3298, 2335, 2334, 3313, 2795, 3116, 2545, 2565, 3091, 3089, 3010, 3229, 3261, 3171, 4154, 1241, 1247, 2754, 2757, 3349, 3371, 3137, 3038, 3095, 3035, 3247, 3442, 2984, 2798, 2838, 2785, 3194, 3179, 3353, 4272, 2735,

2872, 2755, 3502, 4155, 4248, 2791, 1229, 2841, 3036, 2806, 4072, 2429, 2660, 2887, 3205, 4068, 3184, 3081, 3074, 2996, 3190, 3309, 3394, 3479, 3477, 2313, 2330, 3131, 3093, 2771, 3050, 3392, 2898, 3034]. **specialist** [3398, 3492, 2431, 2524, 3273, 3399, 3128, 3080, 3005, 2437, 2808, 3230, 3210, 3445, 4186, 2435, 3340, 3026, 3003, 3424, 2680, 3078, 2983, 2288, 2466, 2973, 3058, 3246, 3145, 3232, 3307, 3449, 4200, 4205, 3065, 3430, 2839, 2652, 2449, 2651, 2784, 3086, 3213, 2415, 3094, 3332, 2624, 2837, 2834, 2760, 2876, 2750, 2880, 3119, 3172, 3409, 2521, 2846, 3256, 3347, 2441, 2440, 3402, 2546, 2443, 2695, 4255, 4219, 4276, 3346, 2725, 2322, 2310, 2314, 2390, 2701, 2896, 2741, 3228, 3461, 2315, 2316, 2376, 2378, 2879, 3148, 3404, 3391, 3410, 3440, 3482, 3434, 3505, 3439, 3504, 3433, 3503]. **specialist** [2349, 2793, 2400, 3217, 2799, 2822, 3087, 3032, 2665, 2666, 2832, 3484, 4058, 4067, 4215, 2598, 3397, 3039, 3067, 4168, 2882, 2769, 4062, 4069, 4113, 4061, 2057, 4165, 4172]. **Specialist/postgraduate** [555]. **specialists** [2921, 3318, 3333, 4211, 4286, 2989, 2851, 2843, 2828, 2955, 2912, 3056, 3349, 3137, 3095, 3035, 3150, 3104, 2988, 3444, 2907, 3152, 4155, 2930, 2684, 3496, 2542, 2954, 3407, 2737, 3113, 3007, 3057, 2993, 3044, 3016, 3268, 3266, 3219, 3364, 3422, 2387, 2519, 3262, 3163, 2340, 3121, 3128, 3018, 3210, 3415, 4186, 3283, 3423, 2505, 2688, 2916, 2748, 2923, 2649, 3432, 4200, 4205, 3234, 3218, 2908, 2778, 3066, 2943, 2909, 2833, 2711, 2745, 3014, 2717, 3225, 3461, 2925, 2582, 2910, 2913, 2468, 2501, 2789, 2826, 2986, 3178, 3134, 2964, 2919, 2650, 2610, 2769, 4254]. **specialists/Scope** [2501]. **specific** [1049, 935]. **specifying** [2463]. **specimen** [4114]. **Speckle** [1999, 1023]. **spectra** [314, 657, 135, 555, 2788, 3631]. **Spectral** [2561, 2468, 1442, 3686, 753, 3732]. **Spectrographs** [2504]. **spectrology** [495]. **spectrometer** [1076]. **spectrometers** [1020]. **spectroscope** [116]. **Spectroscopic** [2007, 1428, 1788, 204, 210]. **Spectroscopies** [3408]. **Spectroscopy** [3395, 2788, 2386, 2865, 4306, 2975, 2779, 2878, 1162, 658, 2678, 3424, 2295, 2750, 692, 1204, 3506, 1217, 1225, 103, 3646, 1161, 3223, 916, 1934, 760, 1762, 2963, 1349, 1881, 216, 1056, 693, 917, 386, 401, 1670, 4112, 1489, 447, 705, 4245, 1197, 1826, 698, 699, 2326, 915, 2788, 2555, 2696, 2541, 2680, 4112, 4169, 44, 3773, 3392, 2547, 3933]. **spectrum** [1090, 1488, 3615]. **Speculations** [2658, 2343, 3502]. **Speed** [2538, 652, 1012, 1176]. **speeds** [517]. **spheres** [4206]. **Spin** [1607, 1862, 912, 913, 3373, 1106, 3269, 3209, 3214, 3539, 2184, 4278, 1998, 4119, 4279, 839, 653, 1494, 1076, 3937, 3184, 3827]. **Spin-down** [1607]. **spin-echo** [1076]. **spin-orbit** [4119]. **Spin-polarized** [1862]. **Spinning** [1436, 3191]. **Spinor** [4228]. **Spins** [411, 2076, 4029]. **Spintronics** [3030]. **spiral** [1836]. **spiritual** [18]. **Spontaneous** [1922, 3822, 3820, 2102]. **Spooky** [1839]. **Sports** [2851, 2582]. **Sprawls** [3119]. **spread** [1347, 4219]. **Springer** [4149, 4110, 4254, 4018, 4154, 4191, 4118, 4155, 2806, 4148, 2794, 4031, 4047, 3993, 3957, 4091, 4115, 4159, 4160, 2288, 4218, 4208, 2378, 2804, 4220, 4171, 4059, 4145, 2344]. **Springer-Praxis** [4059]. **Springford** [1057]. **sputtered** [1162]. **Spyridon** [3581]. **square** [1334, 1190]. **squares** [2549]. **Squeezing** [1387]. **SQUID** [1038]. **Squires** [2955, 3813]. **Sreenivasan**

[3143]. **Sridevi** [3351]. **Srivastava** [4259]. **SSC** [1600]. **Stability** [3241, 2601, 992, 1309, 1738, 3626]. **stabilized** [1413]. **stable** [1380]. **Stacey** [2646]. **Stachel** [3473]. **stage** [3494, 3450, 3452, 4081, 4259, 4269, 4295, 3258, 3429]. **Stallard** [4042]. **Stamps** [4009]. **Standard** [2744, 3316, 2595, 2322, 2631, 4177, 3769, 3783, 3430, 616, 3731, 3847, 4307, 1804, 2554]. **Standards** [874, 468, 687, 2038, 2087, 1401, 2327, 1554]. **Stanescu** [3785]. **Stanisislav** [3059]. **Star** [3400, 2505, 610, 3348, 3602, 3860, 3993, 3416, 1530, 4091, 2780, 3228]. **star-forming** [3860]. **star-shine** [3228]. **Stargates** [4352]. **Stargazing** [2420]. **Starikov** [2807]. **starlight** [4013]. **starring** [2236]. **Starry** [3472]. **Stars** [3456, 2748, 3106, 2970, 3039, 3267, 643, 609, 4213, 2122, 3477, 3891, 3970, 902, 1882, 984, 4114, 4339, 1512, 2501, 2433, 3152, 2923, 3234, 2501, 3001, 3553, 3364, 3456, 3018]. **Starships** [4352]. **Started** [2420]. **Starzewski** [4061, 2410]. **State** [1888, 2537, 2873, 2987, 3520, 381, 1049, 4009, 871, 1935, 3659, 1777, 58, 453, 678, 1742, 564, 3960, 466, 4051, 1528, 900, 1673, 1602, 820, 4096, 736, 39, 2865]. **state-of-the-art** [3520]. **States** [3460, 4343, 722, 1765, 2217, 3386, 1879, 4138, 1776, 2290, 2369]. **Station** [3276, 89, 168, 277, 264, 278, 334]. **Statistical** [2502, 1409, 1424, 3376, 3038, 2740, 2823, 2406, 608, 2351, 2940, 2587, 2657, 3183, 3132, 2416, 2510, 2368, 2619, 2454, 2665, 3178, 2475, 1483, 1437, 4217, 3934, 3715, 3663, 3507, 3591, 3820, 3819, 2208, 3584, 3864, 3831, 4188, 3760, 4095, 4265, 907, 4185, 2560, 4184, 2872, 2766, 4052, 2625, 3557, 2497, 4282, 3214, 2676, 3188, 4175]. **statisticians** [2354]. **statistico** [3798]. **statistico-mechanical** [3798]. **Statistics** [2465, 2888, 4148, 2259, 1199, 2260, 3577, 2888]. **status** [1475, 3174]. **steady** [240, 736]. **steady-state** [736]. **Steane** [3037, 3150, 3679, 3756]. **Steckel** [4273]. **Steel** [4199]. **Steering** [2061]. **Stefan** [3895, 4269, 3321, 4017, 3246, 3248, 2627, 3379]. **Stefano** [3659, 3075]. **Stefanucci** [3090]. **Steiner** [2443]. **Steinmetz** [2880]. **Stellar** [2621, 4319, 3007, 3422, 2898, 2440, 611, 755, 1801, 3970, 59, 436, 3928, 3897, 3990, 2468, 2626, 2907, 3364, 3422, 2620, 3586]. **Stenger** [2753, 3521]. **Stenholm** [2770]. **step** [4103, 2960]. **Stepanov** [3007]. **Stephan** [2757, 4081, 2805, 3265]. **Stéphane** [2929]. **Stephen** [3618, 3171, 3035, 3192, 3436, 3262, 3345, 2455, 2511, 2711, 2758, 2599, 2990, 4117]. **Steps** [2318, 2825]. **Stern** [3673]. **Steur** [4099]. **Steve** [2457, 4136]. **Steven** [4057, 3561, 3081, 4150]. **Steves** [2839]. **Steward** [2854]. **Sticky** [1010]. **Stigmatic** [4170]. **Still** [1936]. **stimulated** [832]. **stimulation** [3630]. **Stishov** [4055, 4223]. **Stochastic** [3123, 3449, 2821, 3132, 2419, 3014, 2361, 4347, 3765, 4305, 2699, 3514, 4141, 3489, 1844, 2285, 2931, 3486, 2782, 3256, 2419, 2745]. **stochastics** [3720]. **Stockar** [4269]. **Stockholm** [3088, 834]. **Stocks** [2419]. **Stokes** [2765, 3573, 2765]. **Stone** [3097, 3703, 3129]. **Stoof** [2525]. **storage** [3767, 680, 1896, 4049, 1271, 3174, 4272]. **store.ioppublishing.org** [4201].

Stories [2491]. **Storm** [156, 3066, 2663]. **Storms** [2721, 3787]. **Stormy** [3284]. **Story** [3318, 3403, 2867, 2506, 3088, 2694, 3106, 2645, 3609, 3844, 4155, 1651, 3477, 4037, 1681, 3777, 1916, 1917, 3662, 3981, 3268, 4256]. **Stott** [3099]. **Stradivari** [2532]. **straight** [2146, 240]. **straightforward** [2176]. **strain** [1012]. **Strand** [3119]. **Strange** [267, 3380, 722, 3662]. **Strangeway** [3627]. **strategic** [4234]. **Strategies** [2354, 2387]. **Straten** [3598]. **stratosphere** [3468, 3468]. **streamer** [2137]. **Strength** [409, 873, 24, 434]. **Strengthening** [3154]. **stretching** [2077, 805]. **strike** [1844]. **String** [2786, 2856, 3004, 3523, 3583, 2163, 3783, 4181, 4358, 2893, 3873, 4029, 3219, 4131, 4233]. **Strings** [1830, 2141]. **Stripes** [3214]. **Strocchi** [3125]. **Strominger** [4085]. **Strong** [272, 1372, 2221, 895, 3176, 680, 4050, 3659]. **strong-field** [2221]. **Stroscio** [2377]. **Structural** [992, 4217, 950, 3432, 4215]. **Structure** [1091, 2966, 2545, 355, 2621, 2539, 2680, 2487, 3265, 3048, 911, 4149, 19, 1204, 3, 600, 4278, 666, 1758, 874, 339, 1187, 1163, 1738, 670, 4081, 1665, 4085, 2514, 81, 1706, 1428, 3832, 4159, 4151, 901, 762, 3665, 4122, 651, 3903, 2053, 3707, 809, 74, 84, 2366]. **Structures** [2672, 2847, 3930, 2675, 3046, 2517, 3310, 2869, 2389, 782, 2195, 1547, 3872, 546, 629, 1727, 800, 3496, 295, 1712, 725, 1831, 1635, 1278, 1282, 2461, 2797]. **Struggle** [3253]. **Stuart** [4177, 2826, 2365]. **Student** [3212, 2944, 3258, 4326, 3411, 3868, 3946, 4273, 2350, 3692, 3955, 3793, 3936, 4105, 4292, 3189, 3511, 4161, 4079, 4169, 4170, 4234, 2422, 2503, 4296, 4079]. **student/research** [2503]. **Students** [3114, 4078, 3025, 2297, 2290, 2385, 2458, 2486, 2659, 2485, 2425, 2868, 2411, 2749, 2842, 16, 2352, 2341, 2342, 2421, 2563, 2294, 2366, 2567, 3438, 2457, 2597, 2489, 2566, 2609, 2528, 2816, 2706, 2918, 3013, 4187, 4283, 2402, 2396, 2473, 2351, 2461, 2354, 2438, 2902, 3187, 3186, 3182, 3454, 3206, 4114, 2517, 2543, 2518, 2653, 2499, 2512, 2743, 2739, 2803, 2940, 2884, 2946, 2998, 2295, 2467, 2825, 2418, 2416, 2419, 2510, 2511, 2833, 2711, 2745, 3064, 2895, 4265, 2579, 2399, 2683, 2831, 2894, 2454, 2453, 2388, 2475, 2613, 2646, 2591, 2663, 2885, 2956, 2900, 2710, 2969, 2345, 2358]. **students** [2704, 4117, 2451]. **students/researchers** [2831, 2894]. **Studies** [2333, 2354, 1149, 423, 2108, 791, 287, 1428, 1788, 2062, 768, 352, 879, 2512]. **Study** [40, 4358, 177, 782, 1137, 388, 675, 687, 587, 629, 744, 657, 30, 926, 74, 2358]. **studying** [2567, 385, 833]. **Stuff** [3403, 3182]. **Styer** [4268, 2768]. **Sub** [3550, 2500, 2195, 1233]. **Sub-cycle** [3550]. **sub-millimetre** [1233]. **sub-Planck** [2195]. **Sub-Surface** [2500]. **Subatomic** [3171, 2314]. **Subhas** [4251]. **subject** [584]. **subjects** [4211]. **submicron** [1737]. **substitutions** [3749]. **substrate** [1529]. **substructure** [2257, 1097, 2258]. **Subtle** [2661, 1165]. **success** [2384]. **Sudipta** [4169]. **Suetens** [2464]. **Sugano** [2417]. **suggested** [3727]. **Suits** [4286]. **Sultana** [2788]. **Suman** [2585]. **Sumeet** [2943]. **Sumigawa** [2925]. **Summer** [3772, 40, 2760, 2846, 2322, 3836]. **Summons** [2387]. **Sun** [250, 2843, 1523, 1801, 2302, 3003, 2380, 2086, 3693, 2501, 1826, 2559, 3553, 4115, 3400, 3332].

sunsets [1561]. **sunspots** [3777]. **sunstone** [3251]. **Super** [1938, 2603, 3948, 2190, 2360, 3537, 2675, 3795]. **Super-Earths** [2603]. **super-LHC** [2360]. **super-resolution** [3537, 3795]. **supercapacitors** [4250]. **supercollider** [1600]. **Superconducting** [3371, 618, 3024, 4152, 2169, 1600, 1073]. **Superconductivity** [523, 1609, 1166, 825, 4262, 1009, 1715, 3728, 1769, 477, 1543, 1128, 1494, 376, 492, 3819, 2858, 2413]. **superconductivity-ten** [1769]. **superconductors** [1139, 873, 4226, 371, 1993, 3277, 4094, 3474]. **Supercontinuum** [2725]. **Superdeformed** [1348]. **Superfluid** [1172, 4343, 1532, 2573, 3635, 730, 1107, 1942, 2277, 1737, 3460]. **Superfluidity** [2330, 2185]. **Superfluids** [3187, 1942, 2276]. **supergiants** [3865]. **supergravity** [1335]. **superheating** [805]. **Superheavy** [1324]. **Superionic** [918]. **Superlattice** [2785]. **superlattices** [2361]. **Supermassive** [3963, 2013]. **supernatural** [2099, 2081]. **supernova** [1355]. **Supernovae** [3075, 2929, 3039, 1415]. **Superradiance** [1065]. **Supersolidity** [2185]. **Superstars** [2929]. **superstrings** [1434, 1374, 2509]. **superstructures** [1537]. **Supersymmetric** [2953, 3511, 2947]. **Supersymmetry** [1335, 2926, 1932, 2044, 3783]. **supplement** [2301]. **supplementary** [3311]. **support** [4057, 675, 4323, 3438]. **Supramolecular** [2795]. **Suprathreshold** [2419]. **Surface** [1420, 2340, 448, 1277, 2500, 2919, 728, 2228, 1143, 535, 1295, 768, 1057, 1517, 1028, 3890, 531, 1023, 33, 161, 174, 182, 190, 200, 3962]. **surfaces** [1119, 1163, 717, 625, 1670, 1055, 915, 1395]. **Surfing** [3838]. **surgery** [2233]. **Surges** [3372]. **Surprising** [3400]. **Surrow** [3754]. **Survey** [869, 1169, 1242, 2294, 3577, 30, 3197, 119, 2022]. **Susan** [3590]. **Sushkov** [3492]. **Suspension** [2767]. **Sussman** [3264]. **Sustainable** [4049, 3892]. **sustaining** [2364]. **Susumu** [3409]. **Sutton** [4198]. **Suzanne** [2533]. **Suzuki** [3501]. **Svelto** [2736]. **Sven** [3320, 3119]. **Sven-Erik** [3119]. **Svistunov** [3460]. **swampland** [4181]. **Swamy** [2996, 2345]. **Swapan** [3543]. **Swarup** [2348]. **Swendsen** [3178]. **Swimming** [2337, 1249]. **swing** [3700]. **switching** [4213, 1594, 506]. **Switzerland** [4018, 4154, 4155, 4148, 3957, 4091, 4115, 4208, 4171, 4145]. **Swope** [2417]. **symbolic** [3996]. **symbols** [810]. **symmetric** [2138]. **symmetrical** [637]. **Symmetries** [2349, 3061, 4177, 1926, 4008, 354, 2244, 3358, 1569, 2301, 3801, 2243, 2535, 2758]. **Symmetry** [4306, 1938, 3354, 3424, 4226, 2540, 2793, 3971, 3758, 908, 4164, 2183, 1647, 2869, 2859, 3711, 3930, 3344, 3305, 3310, 2432, 3812, 2894]. **symphony** [3291]. **Symposia** [2737, 2467]. **Symposium** [2727, 3308, 834, 819]. **Syms** [3647]. **Synchronisation** [3638, 3820, 3466, 2285]. **Synchronization** [2060]. **synchroton** [2355]. **synchrotron** [884, 658, 437, 3467, 4215]. **Synergetic** [3095]. **synoptic** [2519]. **Synthesis** [4180, 1892, 700]. **Synthetic** [3418, 4119]. **Syono** [2472]. **System** [2737, 3443, 390, 4139, 387, 283, 4037, 218, 1849, 1572, 2219, 4353, 3165, 2832, 4173, 4054, 3136]. **systematic** [396]. **système** [560]. **Systems** [3047, 2476, 3340, 2869, 3090, 3311, 3033, 2760, 2745, 1140, 3362,

2536, 3129, 3766, 1622, 1317, 1469, 2136, 125, 2320, 3747, 3889, 2087, 999, 1008, 3496, 3920, 2325, 665, 3517, 2734, 731, 1474, 1871, 1807, 1911, 4280, 4019, 4249, 3735, 3833, 738, 2166, 3476, 2179, 1512, 4088, 1006, 3746, 4243, 3393, 3022, 2330, 3374, 3162, 2839, 2824, 2821, 3209, 2695, 2315, 3339, 2994, 2444, 2453, 3663, 3554, 3659, 3591, 3678, 4017, 3894, 3905, 3951]. **Szabó** [3247, 2786, 3247]. **Szalma** [3653]. **Szwacka** [2769]. **Szwacki** [2769].

't [2397, 3379, 3757, 2346, 2893, 3301, 3699, 2385, 2485, 3203, 2334, 2350, 2751, 2981, 3373, 2617, 3626, 2394, 3054, 3999, 3043, 3705, 3577, 3627, 3689, 3754, 3797, 4037, 4042, 2313, 2243, 2353, 2691, 2476, 2644, 2525, 2773, 2685, 3789, 2935, 3209, 3613, 3402, 4129, 2720, 3813, 3812, 3236, 2900, 2957, 3085, 3067, 1580]. **T.-Y** [3999]. **Ta-Pei** [3071]. **Tabakov** [3119]. **Tabar** [2332]. **table** [3758]. **Tables** [3083, 3711]. **tablets** [1766]. **Tadmor** [2874]. **Tagmatarchis** [3051]. **Tahir** [4254]. **tail** [1921]. **Tailored** [4242]. **Takahiro** [2925]. **Takashi** [3184, 3103, 2925, 2789]. **Takayuki** [2925]. **Take** [361, 2246, 2245]. **Takeuchi** [2635]. **Taking** [239]. **Tale** [3244, 2163]. **Tales** [2548, 3739]. **Tamar** [2628]. **Tamblyn** [2708]. **Tanaka** [4015]. **tandem** [73]. **Tang** [3299]. **Tang-Fong** [3299]. **tangled** [2570]. **Tanner** [4006]. **Tannoudji** [2921]. **Tanton** [3689]. **Tanury** [3343]. **targeted** [3706]. **targets** [2307]. **TASI** [4358, 2322, 4028]. **TASI-2006** [2322]. **Tasker** [4150]. **Tatiana** [3530]. **Tatsu** [2635]. **Tatsuya** [2789]. **Taylor** [4296, 4257, 4283, 4294, 3277, 4297, 4267, 2517, 2725]. **teach** [63]. **Teacher** [3178, 4120, 4078, 4060, 4106, 2686, 2883, 3395, 3318, 3211, 4225, 4275, 2851, 2843, 3107, 2593, 3298, 2565, 3089, 3056, 3237, 4123, 3349, 3137, 4113, 3038, 3095, 3035, 3247, 2823, 2785, 3353, 3408, 3488, 4272, 3092, 2621, 3168, 3139, 3448, 3036, 4072, 4178, 4190, 4198, 2693, 3407, 2887, 3184, 3317, 3435, 3270, 2612, 3233, 4165, 3398, 3492, 3128, 3018, 3274, 3210, 4186, 2881, 3428, 2685, 3084, 3145, 3259, 3232, 3307, 3351, 3449, 3486, 4200, 4205, 3231, 3243, 3430, 2874, 2760, 2876, 3066, 3119, 4054, 2722, 4071, 4208, 4188, 4199, 3197, 3225, 3461, 3148, 3141, 3391, 3151, 3285, 3286]. **teacher** [3087, 3032, 2665, 2666, 3306, 2650, 3164, 2769, 4084, 4171]. **teachers** [2921, 342, 2989, 2865, 2981, 2866, 2988, 2907, 2937, 2684, 2944, 14, 2933, 2899, 2649, 2940, 279, 2924, 2717, 2582, 2938, 2913, 2982, 79, 2967, 151]. **Teaching** [2146, 377, 69, 27, 167, 5, 307, 249, 177, 374, 237, 245, 302, 539, 290, 315, 4129, 25, 120, 231, 362]. **technique** [1076]. **Techniques** [3098, 2614, 2616, 3232, 2804, 1045, 1053, 630, 208, 3808, 4108, 1255, 1421, 2515, 1188, 378, 3890, 3743, 2326, 2557, 3286, 4165, 4007, 3395, 3321, 160]. **technological** [1694]. **Technologies** [2991, 3274, 2569, 2480, 4234, 3581, 1191, 3365]. **Technology** [3371, 221, 764, 1560, 2646, 3767, 1365, 1276, 1934, 4252, 3369, 825, 3531, 3571, 154, 1894, 3892, 1336, 1516, 2930, 2542, 2719, 3670, 4251, 3998, 3740]. **technomimetics** [3940]. **Teitsworth** [2711]. **Teixeira** [4270, 3507]. **Telecommunication** [3503]. **Telecommunications** [871]. **Telepistemology** [1951]. **Teleportation** [1840]. **telescope** [255, 1098, 1587, 1713, 1516, 1874, 1714, 3821, 4263, 1482]. **telescopes**

[614, 1516, 2302, 3615, 3805]. **Television** [25, 69]. **Teller** [2428, 2600]. **Temperature** [2188, 2547, 1007, 817, 1769, 477, 1543, 208, 707, 2161, 1494, 1467, 94, 4102]. **temperatures** [1049, 229, 724, 3301, 2580]. **Ten** [3379, 1769, 3886, 4340, 3876, 3143]. **Teng** [2932]. **Tennyson** [2788, 4112]. **tension** [728, 424, 33]. **tensor** [3947, 3485, 4061]. **Tensor-valued** [4061]. **Tensors** [2944]. **Terahertz** [2930, 3060, 2386, 3117, 3564]. **Terascale** [2751]. **Terawatt** [1443]. **tercentenary** [64]. **Terence** [3622]. **Terentjev** [3505]. **Teresa** [2769]. **terms** [362]. **ternary** [1166]. **Tero** [3301]. **terrain** [2196]. **Terrestrial** [891, 1380, 4031, 690]. **Terry** [3433]. **TESLA** [3149]. **test** [917]. **testimonies** [4113]. **testimony** [3702]. **Testing** [1122, 4089, 1804, 2155, 2208]. **Tests** [1219, 2212, 4280, 1303, 1262, 4108]. **tetraquarks** [2159]. **Tetsuro** [2580]. **Tetsuzo** [2998]. **text** [2921, 3395, 3180, 3301, 4118, 2853, 2341, 3257, 3181, 3280, 3323, 3321, 3317, 3309, 3046, 3233, 2844, 3303, 3277, 3210, 2473, 2430, 3345, 2292, 2623, 2517, 3231, 3234, 3243, 2972, 3248, 3282, 3316, 4282, 3272, 3311, 3255, 3286, 3236, 3278, 3178, 3041, 3215, 3242, 3170, 3260, 4122, 3110, 3411]. **text-book** [2517, 2972]. **Textbook** [4253, 4120, 4078, 4060, 3122, 3393, 3368, 3025, 3211, 3112, 3199, 3350, 2502, 2788, 2829, 2346, 3061, 3073, 3480, 3498, 3201, 2357, 3509, 4217, 4284, 2936, 3115, 4232, 4268, 2290, 2911, 2927, 3097, 3107, 2385, 2386, 2458, 2828, 3365, 2375, 2966, 3491, 3485, 4055, 4210, 4273, 4271, 4296, 2425, 3072, 2955, 2865, 2981, 3089, 3037, 3237, 3383, 4182, 4177, 4184, 2320, 3095, 3035, 3123, 2939, 3023, 3507, 3396, 2838, 3493, 3488, 4183, 3076, 3144, 3212, 3193, 2931, 3092, 2907, 2937, 2352, 2766, 2878, 2992, 2533, 2655, 3036, 2901, 3117, 4072, 4052, 4178, 4190, 4198, 4252, 2965, 3344]. **textbook** [3494, 3501, 3452, 3451, 4081, 4204, 4203, 4162, 4222, 4269, 4281, 2944, 4242, 4250, 3297, 3081, 3043, 3190, 3377, 3341, 3315, 3435, 3438, 3479, 3437, 3436, 4105, 2330, 2348, 2820, 3258, 3366, 3429, 2396, 3235, 3398, 3492, 2300, 2365, 2817, 3382, 3114, 3200, 3080, 3005, 4157, 4292, 3446, 2292, 2889, 3186, 3026, 3424, 2355, 3015, 2950, 3447, 2881, 2929, 4112, 4114, 4161, 2497, 2309, 2465, 2464, 3140, 3058, 2649, 2653, 2512, 2940, 3259, 3351, 3216, 3053, 2689, 2713, 2873, 2875, 2729, 2824, 2914, 2821, 2855, 2935, 2818, 2890, 2903, 3155, 3000, 3045, 3090, 2971, 2985, 3019, 3238, 3166, 3500, 2460]. **textbook** [3311, 2472, 2432, 2487, 4197, 3214, 2415, 3332, 4244, 4249, 2874, 2997, 4169, 4170, 4189, 2436, 2677, 2676, 2728, 3028, 3188, 2440, 2500, 2520, 3096, 2443, 2418, 2510, 3064, 3476, 3489, 4071, 4188, 4070, 4066, 4077, 4166, 4167, 3014, 2310, 2314, 2390, 2701, 2896, 2741, 2895, 3228, 4265, 2317, 2377, 2568, 3148, 3141, 3264, 3265, 3391, 3483, 4063, 2938, 2910, 3151, 4086, 4171, 2579, 2978, 4216, 2442, 2349, 2951, 2952, 2859, 2947, 2982, 2401, 2370, 2399, 3191, 4290, 2488, 3147, 2905, 2994, 2444, 2831, 2953, 2894, 2291, 2475, 2373, 2646, 2507, 2656, 2484, 2885, 2900, 3068, 3153]. **textbook** [2969, 3021, 3411, 4207, 4176, 4175, 4185, 2319, 2344, 2469, 2917, 2920, 2967, 2358, 4083, 2773, 3975]. **textbook/monograph** [2831, 2894]. **textbook/reference** [2292]. **textbook/supplementary** [3311]. **Texts** [3142, 3026]. **Th** [2743, 2739].

Th.W [2649]. **Thad** [2783]. **Their** [2504, 961, 3003, 3033, 1055, 2826, 3379, 1265, 554, 790, 832, 1671, 618, 951, 2057, 2070, 4285, 845, 3204, 3861, 3891, 4090, 102, 1987, 4150, 4114, 2272, 56, 2843]. **them** [2549, 3517, 3964]. **theme** [2257, 1097, 2258]. **Theodore** [2868]. **theorem** [3639, 3726, 2160, 239, 2683, 3817]. **theorems** [2235]. **Theoretical** [2615, 2679, 4306, 4358, 3144, 2937, 2523, 3424, 2750, 2997, 2322, 2422, 2398, 2599, 3021, 752, 3747, 3784, 645, 2250, 3884, 2249, 954, 1529, 2487, 746, 4174, 3733, 3559, 3784, 3980, 3952]. **Theories** [3079, 2927, 3124, 2658, 3856, 3126, 2353, 3216, 2349, 3443, 3509, 553, 3502, 4138, 608, 4108, 1001, 1466, 2202, 1305, 1282, 4353, 3511]. **theorists** [2427, 2946, 1844]. **Theory** [3368, 2414, 2346, 2893, 2786, 3073, 2290, 2897, 2659, 2375, 2715, 2585, 2955, 3384, 2545, 2498, 2856, 3133, 2948, 3444, 2621, 2766, 2992, 2999, 2561, 2687, 2806, 3826, 3930, 2965, 3450, 3219, 4321, 2524, 3363, 3108, 3210, 3345, 2474, 2797, 3447, 2309, 2622, 3310, 2875, 2824, 2935, 3090, 3070, 3316, 2487, 2815, 2633, 2835, 3198, 3138, 3575, 2631, 2540, 2758, 2369, 2291, 2666, 2373, 3041, 3766, 1263, 2264, 4120, 82, 3523, 1342, 2170, 2078, 2138, 3699, 1317, 1424, 113, 3491, 3625, 3899, 3873, 3911, 4056, 4273, 3853, 2193, 3969, 4177, 1241, 1247, 3646, 1194, 1026, 1250]. **theory** [2382, 3585, 3900, 2163, 3518, 1122, 4358, 2174, 3758, 1850, 326, 1830, 1564, 4314, 2241, 1037, 3960, 4021, 4162, 2383, 1143, 3884, 3783, 2133, 1488, 1603, 2164, 3469, 1545, 4051, 1108, 2202, 4017, 984, 2466, 1138, 1494, 3768, 2455, 2499, 3486, 3819, 4089, 4181, 1566, 322, 330, 2242, 3665, 1943, 4131, 3703, 4122, 3879, 3880, 3959, 1467, 1601, 274, 2223, 297, 4255, 376, 4167, 3503, 3672, 3743, 1511, 1786, 970, 1431, 492, 259, 2454, 3792, 4233, 1483, 3685, 1988, 362, 4267, 2911, 3313, 2490, 2801, 3004, 3375, 3202, 3189, 2543, 2587, 3125, 3218, 2681, 2815, 2924, 3461]. **Theory** [2592, 3583, 3644, 4035, 3791, 3652, 3739, 4002, 4029, 4085, 2263, 2883, 3097, 4210, 4008, 2526, 4219, 2905, 3916, 3914, 3925, 3833, 3903]. **Therapy** [3442, 3706]. **There** [2733, 1506, 2411, 983, 2202, 2308]. **Therese** [3415]. **Thermal** [2955, 208, 2625, 3352, 537, 2511, 333, 1615, 834, 3901, 1049, 3961, 339, 355, 2198, 3966, 4282, 378, 830, 1289, 2866, 3064, 3760]. **Thermally** [832]. **thermodynamic** [1545, 2712]. **Thermodynamics** [2502, 3038, 2948, 2874, 4217, 3514, 3626, 4052, 665, 2605, 4097, 4074, 1840, 3549, 2740, 3178, 4269, 3526, 3766, 3663, 2708, 3679, 4026, 3563, 4249, 4189, 4188, 4094, 2969, 3495, 3983]. **Thermoelectric** [107, 1007, 638]. **thermoelectricity** [3580]. **Thermography** [582]. **thermoluminescence** [1442]. **Thermonuclear** [2928, 3642, 2129, 3578, 719, 2045]. **thermostatistical** [3221]. **Thew** [3680]. **Thierry** [2614]. **Thijssen** [3271]. **Thin** [3105, 484, 1886, 3028, 1511, 1666, 217, 2828]. **Thin-Film** [3028, 2828]. **Things** [2312, 2509, 4149, 662, 2034, 4276]. **Thinking** [1949, 2742]. **Third** [3200, 3063, 65, 1545, 3777]. **Thirty** [1981, 1131, 1079, 1026, 784]. **Thirty-five** [1131]. **Thomas** [3539, 2867, 3343, 4269, 2844, 3186, 3148, 3483, 4174, 3667, 3164, 3411]. **Thompson** [4135, 2566, 44]. **Thomson** [796, 2765, 3237, 2765, 3387].

Thorne [4184, 4190, 4176]. **Thorpe** [2191]. **Thorsten** [2465, 4169]. **thought** [4089, 3380]. **Thoughtful** [2886]. **Thouless** [3313, 3704]. **threads** [2570]. **three** [1552, 2021, 615, 1172, 60, 4192, 2318, 3218]. **three-dimensional** [615]. **Three-Particle** [3218]. **three-party** [4192]. **threshold** [1430]. **Thron** [3738]. **Throughout** [2780, 3907]. **Thurber** [4053]. **Thurner** [4017]. **Thyssen** [3758]. **Tian** [3441]. **tidal** [1127]. **Tidemand** [3619]. **Tidemand-Lichtenberg** [3619]. **Tides** [3372, 1127]. **Tien** [3693]. **Tigner** [3208, 3484]. **tilings** [3749]. **Tilling** [2437]. **Tim** [3107, 2668]. **Timberlake** [4037]. **Time** [2857, 3261, 3406, 2057, 2984, 3207, 4359, 1726, 132, 153, 4322, 2026, 3182, 1873, 2780, 2994, 1554, 1736, 4349, 1835, 3164, 2008, 1454, 1928, 4213, 2382, 1002, 1852, 1967, 1423, 4126, 395, 283, 3637, 1773, 1697, 3421, 3794, 1819, 4121, 2698, 3967, 1647, 1957, 262, 3654, 1373, 3815, 2545, 2981, 3471, 4208, 3654, 3137, 3023, 2965, 3106, 3379, 3164, 3861]. **Time-Dependent** [2965]. **time-of-flight** [283]. **Time-resolved** [1736]. **time-travels** [4208]. **Timepix** [3389]. **Times** [4341, 2718, 3984, 2057, 1783, 3810, 2648]. **timescales** [2282, 3379]. **Timothy** [3283, 3662]. **Timour** [3413]. **Timpson** [3210]. **tiny** [4155]. **Tipler** [3092]. **Tipton** [3027]. **Tirion** [2505]. **tissue** [4241, 872]. **Tissues** [3058]. **Titanic** [2363]. **title** [2075, 2152]. **Tito** [2771]. **Tiwari** [2988, 4162]. **Tkalcic** [3722]. **TMTSF** [1139]. **Toal** [2852]. **Tobochnik** [4282, 2625]. **today** [413, 4115]. **Tokamak** [1218]. **Tokamaks** [2882]. **told** [1916]. **Tom** [2774, 3345, 3305, 2546, 3693, 2952]. **Tommy** [2801]. **Tomographic** [2395]. **Tomography** [2465, 2030, 3098]. **tomorrow** [413]. **Tompkins** [2908]. **Toms** [2524]. **Tones** [2462]. **Tony** [3348]. **Too** [1192]. **tool** [2339, 1550, 3060, 192, 2641, 638]. **Tools** [2880, 2825, 2316, 4201, 3251, 3067]. **Top** [4308, 3690, 1679]. **Top-Down** [4308, 3690]. **Topics** [2875, 3172, 447, 4070, 848, 2422, 3658, 4297, 2911, 3144]. **Topological** [4247, 3277, 3189, 1823, 3785, 3872, 2271, 4166, 1728, 4098, 3277, 3836, 3704]. **Topology** [3241, 3540, 4024]. **Tornari** [2803]. **Torner** [2629]. **Török** [4020]. **Toropov** [3530]. **Torres** [4081, 2629, 3265]. **Torus** [869]. **Totality** [3751]. **Tothill** [3113]. **Tour** [3138, 2951, 3021, 3719, 3929, 4082]. **tournament** [3633]. **Toussaint** [3444]. **Townsend** [3670, 2669]. **Tracing** [2013, 1875, 3644]. **track** [4051]. **tracks** [552, 827]. **Tracy** [3644]. **tradition** [1927]. **traffic** [2109, 348]. **tragedian** [2191]. **Tragic** [4345, 2191]. **training** [41, 14, 106]. **Trajectory** [2979]. **Trangenstein** [2653]. **Transactional** [3086]. **Transfer** [2905, 3068, 1922, 637, 653, 3760]. **transform** [3768, 1489, 745]. **Transformation** [3130]. **Transformed** [3405]. **transforms** [4149, 2357]. **transient** [999, 1008, 398]. **transients** [3550]. **transistors** [2306, 3101]. **Transition** [3026, 2909, 777, 1385, 2209, 4272]. **transition-metal-ion** [1385]. **Transitions** [4312, 3280, 4320, 2729, 3539, 4055, 2282, 1805, 1824, 3452, 4098, 1089, 1366, 697, 1429, 2445, 934, 907, 2224, 1244, 2819, 3230, 2728, 4265, 3920]. **translated** [2794, 3299, 3103, 3066, 3575, 3379, 2547, 3680]. **Translation** [100]. **Translational** [3373]. **translator** [2371]. **transmission** [2216, 3198].

Transport [3301, 2402, 2556, 2416, 2745, 3439, 304, 4352, 1364, 1283, 3626, 4072, 4318, 2605, 3417, 1030, 2001, 3760, 4260, 2361, 531, 3118, 2711, 3265, 4081, 4111, 3672]. **transuranic** [119]. **transverse** [3539]. **trap** [1378]. **Trapp** [3211]. **Trapped** [1256, 1767, 4212, 2641]. **trapped-ion** [2641]. **trapping** [2763, 1536, 1027, 274]. **traps** [2339, 3161, 2640, 1942]. **Travel** [4349, 3164, 1967, 281, 305, 312, 329, 337, 344, 3815]. **traveled** [3473]. **travels** [4208]. **tread** [6]. **Treatise** [3296, 3380]. **Treatment** [850, 246, 531, 3738]. **tree** [141, 1834]. **Trend** [293]. **Trends** [2760, 3063, 4254, 639, 3499, 906]. **Treps** [3772]. **Treumann** [3072]. **Trew** [3776]. **Triangulation** [3328]. **Tribute** [2934, 1459]. **Trigger** [763]. **Trigonometric** [2385]. **Trimble** [4285, 2934]. **Trindade** [2771]. **triple** [2165]. **triple-** [2165]. **Tripon** [3434]. **Tripon-Canseliet** [3434]. **Trivedi** [3230]. **Troccoli** [3333]. **Trojan** [1892]. **Tropical** [1091, 864, 1699, 789]. **Troshkin** [4231]. **Trouton** [545]. **Trudeau** [3823]. **true** [2133, 1171]. **Trypsteen** [3773]. **Tsai** [3299]. **Tsai-Chien** [3299]. **Tsori** [2443]. **Tsu** [2785]. **Tsukasa** [4284]. **Tsunamis** [465, 3284, 3372]. **Tuan** [3440]. **tube** [273]. **tubes** [2079, 673, 3957]. **Tuchin** [3246, 2671]. **Tucker** [3741, 2342]. **Tudor** [3785]. **Tuffin** [3503]. **tunable** [1385, 3611]. **tuned** [3695, 4328]. **Tuning** [2753]. **Tuniz** [3120]. **tunnelling** [1049, 2076, 1502]. **tunnelling-state** [1049]. **turbines** [837]. **Turbulence** [3376, 2481, 3361, 2277, 3143, 2593, 2452, 2689, 2869]. **Turbulent** [2818]. **Turcotte** [3588]. **Tureanu** [3240]. **Turin** [2940]. **Turing** [3111]. **turn** [1902]. **turned** [3525]. **Turner** [2988]. **Turning** [3093, 972, 8]. **tutorial** [2604]. **TVs** [2668]. **Tweezers** [2598, 2005, 3634]. **Twentieth** [3121, 2682, 2548, 235]. **Twentieth-Century** [3121, 2682]. **Twenty** [3369, 2460, 3909, 1254, 1464]. **Twenty-first** [2460, 3909, 1464]. **Twice** [784]. **twin** [3981]. **twinkling** [902]. **twist** [1921]. **Twisted** [3779, 2629]. **Twisting** [2108]. **Twistor** [2193, 1564]. **Twistors** [2544]. **Two** [3079, 163, 2770, 3381, 2902, 2622, 2278, 3953, 2123, 640, 2163, 2021, 3626, 3358, 1429, 1993, 2259, 1199, 2260, 2555]. **Two-and-a-half** [2278]. **two-dimensional** [3358, 2555]. **Type** [3075, 1430, 1545]. **tyre** [6]. **Tyson** [2589, 2638, 3701]. **Tyukin** [2695].

U [3677, 3444, 3050, 2295, 2943, 2443]. **Ubaldo** [2634]. **ubiquitous** [1038]. **Ueno** [4284, 3630]. **Ugo** [3442]. **UK** [4286, 4202, 4232, 4140, 4139, 4038, 4035, 4100, 4272, 4084, 4072, 4178, 4021, 4081, 4130, 4203, 4222, 4259, 4269, 4281, 4270, 4274, 4187, 4283, 4165, 4157, 4197, 4079, 4144, 4071, 4219, 4276, 4077, 4199, 4207, 4233, 4185, 1587]. **Ullrich** [2965]. **Ulrich** [2889, 3162, 3310]. **Ulrike** [4168]. **ultimate** [1694, 1936]. **Ultra** [191, 463, 1594, 960, 1039, 2447, 1075, 3232]. **Ultra-cold** [1039]. **Ultra-fast** [1594]. **Ultra-high** [463, 960, 1075]. **Ultra-realistic** [3232]. **Ultracold** [3245, 4068, 4118, 2107, 4116, 3022, 2525, 2846]. **Ultracondensed** [3919]. **Ultrafast** [1179, 1742, 2233, 3506, 4202, 3683]. **ultrahigh** [1791]. **Ultrasonic** [203, 538]. **Ultrasonics** [1842, 798, 508]. **Ultrasound** [886]. **Ultraviolet** [643, 2295]. **Umberto** [3646]. **Umran** [2967]. **unasked** [4080]. **unbound** [3931]. **Uncertainty**

[3112, 2935, 3414, 1705, 3497, 1658]. **uncertainty-principle-limited** [1658]. **Uncollapsing** [2338]. **unconditional** [3515]. **Unconventional** [1715]. **Uncorked** [3196]. **Undergraduate** [3314, 4253, 3178, 4120, 4078, 4060, 2883, 3122, 3318, 3393, 3025, 3211, 3333, 3052, 3199, 3350, 2502, 2788, 2829, 4062, 2781, 2809, 3073, 2667, 3509, 4241, 4217, 4284, 4275, 2491, 2560, 3115, 3180, 3458, 4202, 4268, 3301, 2851, 2843, 3107, 3011, 2966, 3485, 4296, 2425, 2411, 3072, 2544, 2471, 2459, 2508, 3037, 3383, 4123, 4184, 2320, 3349, 3137, 4113, 3035, 2740, 2867, 2801, 3055, 3142, 3442, 3123, 3296, 3023, 2708, 3507, 2838, 2836, 2853, 3104, 3275, 3194, 3353, 3408, 3493, 3488, 4183, 4240, 4272, 2975, 3144, 3212, 3193, 3092, 3152, 3168, 2735, 2790, 2755, 4084, 4155, 2992]. **undergraduate** [3245, 2791, 2541, 2533, 2655, 4173, 2561, 2845, 3117, 3679, 4072, 4178, 4190, 4198, 4252, 2529, 2625, 2537, 2777, 2794, 3181, 3279, 3343, 3344, 3494, 3450, 3452, 4204, 4203, 4162, 4222, 4257, 4259, 4269, 4281, 4270, 4295, 3323, 3407, 2887, 3184, 4242, 4250, 3297, 2726, 3081, 3341, 3317, 3394, 3435, 3437, 3436, 2457, 3099, 4187, 4283, 4294, 2318, 2372, 2348, 2519, 2538, 2675, 2765, 2783, 3046, 3224, 3262, 3163, 3287, 3244, 3196, 3369, 3335, 3405, 2690, 3270, 2612, 3431, 3233, 3258, 3366, 3429, 2844, 2724, 3135, 4165, 3034, 3235, 3398, 3492, 2891, 3399, 3128, 3018, 3274, 2365, 2817, 3114, 3200]. **undergraduate** [3277, 3401, 3005, 3210, 3345, 3415, 3446, 4186, 2371, 3100, 2474, 2476, 3186, 3423, 2682, 3026, 2950, 2881, 2738, 2594, 2497, 2773, 3428, 2464, 3140, 3027, 2395, 2455, 2517, 2499, 2512, 2940, 3084, 3259, 3232, 3307, 3351, 3486, 4200, 4205, 3049, 3231, 3234, 3243, 3304, 3065, 2587, 3053, 2839, 2908, 2689, 2890, 3155, 3000, 2971, 2985, 3248, 3238, 3282, 3500, 4282, 3272, 2460, 2664, 2877, 3240, 3311, 2784, 2415, 2595, 2700, 4201, 2835, 2874, 2837, 2834, 2760, 2880, 3062, 3066, 3119, 2997, 3063, 4054, 4083, 4053, 4080, 4079, 4169, 4170, 4189, 4234, 2436, 2391, 2657]. **undergraduate** [2677, 2676, 2854, 2728, 3028, 3109, 3183, 3188, 2440, 2611, 2607, 2556, 2513, 2705, 2860, 2722, 3096, 2976, 2418, 2695, 2510, 2511, 3064, 3414, 3380, 3476, 4071, 4255, 4208, 4188, 4276, 4070, 4066, 4077, 4167, 2310, 2314, 2390, 2608, 2620, 2896, 2895, 3197, 3228, 3461, 4265, 4266, 2317, 2377, 2331, 2568, 2719, 2805, 3148, 3255, 3264, 3265, 3482, 2531, 3151, 3285, 4171, 4174, 4216, 2442, 3286, 2540, 2951, 2952, 2758, 2947, 3236, 2982, 2401, 2619, 3191, 3185, 3278, 2417, 4290, 2488, 2618, 2826, 2905, 2683, 2492, 3087, 2669, 2536, 2475, 2373, 2613, 2646, 2507, 2591, 2656]. **undergraduate** [2484, 2802, 2956, 2721, 2900, 2710, 2736, 2832, 3082, 3153, 3110, 3041, 3215, 3242, 3170, 3260, 3411, 3338, 3372, 3475, 3495, 4215, 4175, 4185, 2319, 2917, 3378, 3355, 2882, 2852, 2358, 2768, 3164, 2769, 4232, 4293, 4156, 4105, 4292, 4112, 4161, 4244, 4249, 4066, 4086, 4175, 4258, 4243]. **undergraduate/beginning** [2442]. **undergraduate/graduate** [2683]. **undergraduate/postgraduate** [2502, 2788]. **undergraduate/pre** [2358]. **undergraduate/pre-university** [2358]. **undergraduate/specialist** [3399]. **Undergraduates** [3014, 2921, 2297, 2936, 2911, 2868, 2865, 3384, 2293, 2866, 2942, 2749, 2842, 2504, 2907, 2937, 2494, 2901, 2684, 3496, 2944, 3043, 2993, 3364, 3438, 3422,

2333, 2300, 2523, 2461, 2438, 2525, 2889, 3454, 3487, 2929, 2933, 2864, 4117, 2899, 2649, 3216, 2924, 2943, 3198, 2833, 2717, 3483, 2579, 2468, 2501, 2953, 2848, 2559, 3068, 3069, 3021, 4058, 4207, 2922, 2915, 2967, 2919, 4176]. **underground** [456]. **Underlie** [4308, 3690]. **underlying** [1124, 2208]. **Understand** [3034, 3763, 4005]. **Understanding** [3089, 1852, 2844, 2929, 2722, 1958, 2417, 3372, 33, 3711, 3290, 3739, 4200, 3867, 3802, 2819, 2537, 3177, 3243, 2513, 3979, 3928]. **undoing** [2338]. **Undulators** [971]. **undulatory** [2337]. **unfinished** [3291]. **Unification** [1490, 1486]. **Unified** [1001, 3021, 3839, 1305]. **uniform** [61]. **Unifying** [1566, 3967]. **Union** [3938, 3039, 3267, 70, 2008]. **unique** [3572]. **Unitary** [2793]. **United** [222, 358]. **Units** [4304, 390, 810, 3877, 387, 374, 1401, 176, 797, 560, 311]. **unity** [112, 1124]. **Universal** [4313, 3453, 3860]. **universality** [1490, 4276]. **UNIverse** [2814, 2350, 2495, 2742, 2707, 1799, 3302, 1824, 4315, 3455, 2690, 4325, 1811, 2714, 2097, 2493, 2753, 3049, 3243, 2778, 2815, 1647, 2576, 2895, 3197, 2423, 1505, 1680, 4348, 2637, 2345, 2917, 2450, 2162, 3602, 2156, 865, 3695, 4123, 3869, 1758, 1637, 3249, 3931, 3620, 3762, 2127, 1741, 4196, 1466, 1472, 4328, 1302, 894, 1100, 1183, 3532, 2068, 3636, 3967, 1015, 3963, 1925, 1392, 3222, 3378, 2166, 1121, 3241, 2747, 3081, 3099, 2318, 2473, 2430, 4151, 3151, 1562, 2970, 3594, 4275, 3635, 4143, 3650, 4200, 3533, 3956, 4243, 2459, 3834]. **Universe-** [1811]. **universities** [41]. **University** [4078, 4060, 4016, 4211, 4137, 4286, 4082, 4275, 4135, 4038, 4000, 4032, 4210, 4035, 53, 3425, 4005, 3945, 4045, 4073, 4182, 4177, 4184, 4027, 4100, 3035, 4061, 2057, 4143, 4084, 4248, 112, 4291, 4285, 4026, 4072, 4052, 4178, 4190, 4198, 2191, 4006, 4021, 4081, 4156, 4130, 4203, 4162, 4274, 237, 4025, 4002, 4001, 4046, 4043, 4041, 4085, 4141, 3459, 4037, 4040, 3994, 4048, 4042, 4003, 4015, 4105, 4146, 4187, 4165, 3421, 4097, 4107, 4157, 4292, 4007, 4017, 4158, 4093, 4200, 4151, 4205, 290, 4019, 4282, 4131, 4122, 4197, 4020, 4036, 4079, 4071, 4129, 4219, 4276, 4066]. **University** [4077, 4166, 4199, 4266, 4065, 4064, 4063, 4092, 4034, 4109, 4039, 4023, 4058, 4176, 4215, 2787, 4175, 4185, 4168, 2358, 4256, 270, 2809, 4232, 3349, 3137, 3152, 2944, 942, 245, 3315, 3405, 3135, 3121, 3128, 3415, 4186, 3100, 3423, 2682, 2881, 2899, 3234, 3243, 2908, 3066, 3461, 2938, 2913, 3285, 4086, 713, 2826, 3134, 3215, 3164, 766, 4163]. **Unpublished** [2674]. **Unravelling** [2101, 1374]. **unreason** [3641]. **Unrolling** [1454]. **unruly** [4143]. **Unseen** [4315, 3455]. **unshackled** [3525]. **Unterborn** [4150]. **Unveiling** [2813]. **Unwin** [291]. **updated** [3817]. **upon** [2008]. **upper** [923]. **Urbani** [4210]. **Urs** [4269]. **US$140.00** [4168]. **US$159** [4027]. **US$59.99** [4185]. **US$88.12** [4294]. **USA** [4183, 4190, 4269, 4274, 4297, 4256]. **USD** [4061, 4190, 4207, 4243, 4256, 4267]. **Use** [2909, 2722, 4057, 69, 1048, 2235, 657, 807, 1752, 926, 962, 638, 209, 262, 3624, 3807]. **used** [340]. **useful** [1621, 3078]. **useless** [3525]. **User** [2380]. **Users** [2633]. **Uses** [884, 1314]. **Using** [3464, 2174, 2847, 4230, 2518, 3314, 3059, 2463, 631, 3559, 482, 791, 4314,

1020, 3450, 260, 1885, 909, 2062, 3770, 3351, 1271, 1693, 4219, 4236, 2155, 7]. **usually** [129]. **Utke** [3059]. **Utracki** [2767]. **UV** [1788]. **Uzunov** [2715].

V
[2414, 2659, 3313, 2425, 4231, 2350, 3076, 3530, 3444, 2639, 3648, 2563, 2791, 326, 2541, 2806, 4044, 4008, 4098, 3007, 2609, 4187, 2348, 2402, 3998, 2437, 2343, 2379, 2916, 2671, 3246, 2803, 3218, 2914, 2821, 555, 3127, 2750, 3607, 4234, 4129, 4219, 3014, 1461, 2377, 2804, 3483, 3814, 3743, 2531, 3788, 2947, 2424, 2807, 4059, 3032, 2934, 3474, 3495, 4116, 2319, 3593, 2547, 3680, 337]. **vacua** [463]. **Vacuum** [2856, 1263, 2264, 3780, 4050, 960, 2263]. **Vahid** [3772]. **Valenta** [2878]. **Valenzuela** [3184]. **Valeri** [3576]. **Valerio** [2741, 4243]. **Valery** [2671, 3246, 2815]. **Valia** [4154]. **Valles** [3230]. **Valley** [879]. **Valued** [2766, 4061]. **VanderPlas** [3577]. **Vandoren** [3379]. **Vangelis** [2685, 2743, 2739]. **Vanier** [2917]. **vanished** [3981]. **VanWyk** [2457]. **Vapour** [625]. **vapours** [451, 2763]. **Varadan** [2836]. **Varga** [2749]. **Variability** [2898]. **variables** [2180]. **variation** [141]. **variational** [3819]. **variations** [1685]. **Varieties** [1129]. **variety** [2166]. **Varlamov** [2913]. **Varying** [2441]. **Vasa** [3683]. **Vasilevich** [3984]. **vast** [3935]. **Vaughan** [3259]. **VCH** [4295, 4022]. **Vecchia** [3004]. **Vectors** [2944]. **Vedral** [3180, 2495, 2655]. **Vedres** [3031]. **vehicles** [671, 2745]. **Vekstein** [3233]. **velocities** [1737]. **velocity** [817, 61]. **Velusamy** [4297, 3657, 3658]. **Velychko** [3747]. **Velzel** [3605]. **Venerus** [4072]. **Venkatesh** [3041]. **Venus** [4237, 1022]. **Verbiest** [2614]. **Verdaguer** [4141, 3446]. **Vergni** [4208]. **verification** [2235]. **Verlag** [4022]. **Veronica** [4272, 3022]. **versatile** [2339]. **versus** [868]. **vertebrates** [590]. **Very** [2989, 3120, 3405, 3018, 3263, 2434, 2426, 2650, 2990, 3757, 3622, 3651, 3790, 3805, 4016, 375, 1833, 4073, 3599, 1101, 517, 3856, 981, 2413]. **Veryaskin** [4234]. **Vespignani** [2352]. **Vesselin** [4191]. **vi** [554, 1748, 2378]. **via** [3138]. **vibration** [253, 1258, 955]. **vibrational** [555]. **Vibrations** [4306, 3077, 3424, 2520, 2900, 88, 4071]. **vibroacoustics** [3715]. **Victor** [3308, 3114, 2753, 3521]. **Victoria** [248]. **Victorian** [3472, 1827]. **video** [2039]. **Vienna** [834]. **Vietri** [2415]. **View** [3167, 2619, 1137, 420, 4048, 1649, 944, 2030, 3394]. **viewpoint** [1749]. **Views** [2196, 1836, 2770]. **Vignale** [2375, 2679]. **vii** [555]. **viii** [2057]. **Vijay** [2836]. **Viking** [3251]. **Viktoria** [3496]. **Vincent** [2614, 2852]. **Vineet** [2556]. **Vinod** [2853]. **violation** [1978, 1647, 2586, 3061]. **violin** [1684, 1284]. **Violins** [2532]. **viral** [2893, 2880]. **Virginia** [4285]. **Virtual** [1636, 1774, 580, 4194, 4232]. **Virtual-reality** [1636]. **virus** [629, 4290]. **Viscoelasticity** [2927]. **viscosity** [2235]. **Vishveshwara** [2379]. **visible** [806, 3697, 4233, 3623]. **Vision** [3145, 3151, 590, 1227, 601]. **Visions** [1857, 2574]. **visitor** [36]. **Visitors** [3355]. **Visual** [775]. **Visualisations** [3314]. **visualization** [3432, 4354]. **Vita** [4115, 2380]. **Vita-Finzi** [4115, 2380]. **Vital** [4348, 3869]. **Vitaly** [2324]. **Vivien** [3481]. **Vivo** [4356, 2470, 3457]. **Vladimir**

[2800, 3204, 2678, 3114, 3230, 3632, 2652, 3276, 4249, 4094]. **Vladislav** [2541]. **Vlatko** [3180, 2495, 2655]. **Vlemmings** [3203]. **Vo** [3440]. **Vo-Dinh** [3440]. **Voicu** [3319]. **voids** [4135]. **Vol** [380, 2858, 291, 2806, 2794, 3187, 2288, 2416, 2804, 3020, 379, 417, 3934, 4184, 317, 316, 4224]. **volcanoes** [2001]. **Voldemar** [4163]. **Vologodskii** [3606]. **Volovik** [2423]. **Volpe** [3634]. **Vols** [2765]. **voltage** [125, 476, 616]. **Volume** [2883, 2926, 2527, 2596, 2840, 2795, 3371, 3353, 3889, 4190, 3364, 3422, 3200, 2437, 3246, 2744, 2818, 2760, 3119, 3836, 3132, 4265, 2822, 3953, 3509, 2858, 4009, 3854, 946, 2535, 4095, 3976, 4176]. **Volumes** [3079, 366, 3216, 3172, 3440, 3558, 1483]. **vortex** [1737]. **Vulpiani** [4208, 2351].

W [3052, 2296, 2357, 3796, 4000, 2774, 3376, 2347, 3371, 2995, 2636, 3738, 2257, 3275, 3524, 3444, 2847, 2791, 3620, 4026, 4052, 3054, 1069, 3126, 3999, 4068, 3754, 3804, 2489, 1359, 2886, 2249, 2243, 2247, 2354, 2505, 2773, 2940, 3653, 4224, 3231, 2681, 2778, 2391, 2510, 2711, 3996, 2316, 2805, 3567, 3149, 2952, 2409, 2253, 2632, 2454, 2599, 2646, 2663, 3484, 3675, 3684, 2534, 2787, 3039, 1301, 44, 3633, 3694]. **Wa** [3109]. **Waals** [718, 579]. **Wakeham** [4269]. **Walczak** [3613]. **Walecka** [4062, 2615, 2823, 3144, 2937]. **Wales** [315]. **Wali** [2532]. **walk** [2195, 4208]. **Walker** [3684, 3564, 3773, 3732, 2783, 2670]. **Walks** [2825, 2054, 2268, 2267]. **wall** [748]. **Wallace** [4037, 3469]. **Waller** [3804]. **walls** [2551]. **Walsh** [3647]. **Walter** [4132, 3015, 3053, 2994, 2889]. **Walther** [2296]. **wandering** [3942]. **Wang** [3629, 4086, 3542, 3633, 2756, 3542]. **War** [4298, 4299, 3322, 3335, 2329, 3226, 1041]. **wardana** [3167]. **warm** [2156]. **Warp** [3164]. **wars** [2010, 4342, 3875]. **Wartak** [3297, 3140]. **wartime** [2452]. **Washington** [4256]. **Wasserman** [3064, 3815]. **waste** [1501, 925]. **Wataru** [2657]. **watcher** [1059]. **Water** [594, 1826, 3699, 2216, 3867]. **waters** [2643, 2484]. **Watson** [2644]. **Wave** [2659, 1994, 2567, 3361, 1328, 2974, 2711, 1518, 1541, 3644, 4154, 1283, 1760, 3510, 1460, 2515, 1793, 2266, 3893, 3811, 3863, 2265, 2300]. **Wave-Boundary-Layer** [2974]. **wave-particle** [3510, 3863]. **wavefront** [3418]. **Wavefronts** [4293, 2776]. **wavefunction** [2338, 3346]. **waveguide** [2567]. **Waveguides** [1584, 2486]. **wavelengths** [3697]. **wavelet** [3768]. **Wavepacket** [1892]. **wavepackets** [3506]. **Waves** [3199, 1265, 3007, 2817, 332, 3214, 3191, 3284, 644, 4140, 912, 423, 3747, 191, 223, 3642, 3854, 49, 2307, 3060, 1013, 4101, 978, 234, 4121, 1468, 4244, 3572, 1812, 3812, 538, 3792, 3107, 3370, 2900, 3699, 4281, 4064, 4086, 4016, 2458, 2702, 3787, 3381, 3272, 4080, 3543, 2484]. **Way** [3781, 3804, 3758, 3933]. **Wayne** [4140]. **Ways** [2928, 3414]. **Weaire** [2259, 2041, 2334]. **Weapons** [3322]. **Wear** [2726, 162]. **Weather** [3035, 952, 2956, 3333, 2063, 572, 1310]. **Web** [3268, 3650]. **Webb** [3821, 3201]. **webs** [2361]. **Webster** [3407]. **Wee** [2773]. **Wei** [4119, 3003, 3118, 3537, 2799]. **Weidberg** [3613]. **Weigand** [3066]. **weight** [1059]. **weight-watcher** [1059]. **Weikun** [3030]. **Weinberg**

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Yabe [2789]. **Yagi** [2313]. **Yair** [4255]. **Yakovlev** [2541]. **Yale** [2787]. **Yamaji** [3103, 2789]. **Yamamoto** [3993, 3802]. **Yan** [3319, 3560]. **Yanagisawa** [3103]. **Yang** [2948, 4001, 4024, 2341, 3003, 2784, 2905]. **Yanofsky** [2317]. **Yaroslav** [3079]. **Yaroslavsky** [3559]. **Yasuhiko** [2472]. **Year** [1082, 3289, 3193, 2765, 3335, 2396, 2300, 2126, 2231]. **Years** [3313, 3171, 2755, 2850, 3267, 3885, 1026, 1981, 1131, 784, 1769, 3987, 1156, 3886, 2303, 1117, 1254, 2571, 1079, 3797, 3428]. **Yeh** [2486, 3998]. **Yeseren** [4290]. **Yi** [4068, 3003, 3542]. **yields** [1826]. **Yin** [3998, 2982]. **Yitzhak** [2622]. **Ylinen** [3710]. **Yn** [2927]. **Yn-Hwang** [2927]. **Yoccoz** [2315]. **Yoel** [3213]. **Yor** [3138]. **York** [4000, 4148, 3459, 3421, 4117, 4158, 144, 4171, 4116]. **Yoshi** [2657]. **Yoshimura** [2998]. **Young** [3318, 3609, 3633]. **yttrium** [791]. **Yu** [2485, 2792, 2783, 2822]. **Yuan** [2783]. **Yuan-Yu** [2783]. **Yuen** [3506]. **Yuen-Zhou** [3506]. **Yuichi** [2657]. **Yuka** [4150]. **Yukawa** [2134]. **Yukio** [3143]. **Yuli** [3076]. **Yun** [2930]. **Yun-Shik** [2930]. **Yupapin** [3534]. **Yuri** [3276]. **Yurov** [4044]. **Yves** [2834, 2610].

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[2355] Professor Alan Michette. *Interactions of Photons and Neutrons with Matter*, by S.-H. Chen and M. Kotlarchyk, Scope: textbook. Level: beginning graduates and above, scientists working at synchroton and neutron facilities. *Contemporary Physics*, 51(2):189, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2382] T. Cheng, Q. Su, and R. Grobe. Introductory review on quantum field theory with space–time resolution. *Contemporary Physics*, 51(4):315–330, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2383] Jonathan J. Heckman. F-theory and experiment. *Contemporary Physics*, 51(4):331–348, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2384] Sue Ion. The world's nuclear future — built on material success. *Contemporary Physics*, 51(4):349–364, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2010:GTO

[2385] Professor Mario Bertolotti. *Geometrical and Trigonometric Optics*, by E. L. Dereniak and T. D. Dereniak, Scope: textbook. Level: students. *Contemporary Physics*, 51(4):365, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2010:TSP

[2386] Professor Mario Bertolotti. *Terahertz Spectroscopy: Principles and Applications*, edited by S. L. Dexheimer, Scope: textbook. Level: beginners. *Contemporary Physics*, 51(4):366, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2010:SLD

[2387] Professor Barrie W. Jones. *Strategies of Life Detection*, edited by O. Botta, J. L. Bada, J. Gómez-Elvira, E. Javaux, F. Selsis and R Summons, Scope: workshop papers. Level: postgraduates/specialists/ advanced hobbyists. *Contemporary Physics*, 51(4):366–367, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2010:HCP

[2388] Dr. Manuel Vogel. *Handbook of Charged Particle Optics*, 2nd edition, edited by J. Orloff, Scope: handbook/reference. Level: experts/advanced students. *Contemporary Physics*, 51(4):367, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sambles:2010:ASC

[2389] Professor J. R. Sambles. *Aperiodic Structures in Condensed Matter*, by E. M. Barber, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 51(4):367–369, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2390] Professor Eric Sheldon. *Nuclear and Particle Physics: An Introduction*, 2nd edition, by B. R. Martin, Scope: textbook. Level: advanced undergraduate, postgraduate and specialist. *Contemporary Physics*, 51(4): 369–370, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2391] Dr. J. Rogel-Salazar. *Classical Mechanics and Relativity*, by H. J. W. Müller-Kirsten, Scope: introductory. Level: undergraduate. *Contemporary Physics*, 51(4):370–371, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2392] Professor G. W. Gibbons. *Antimatter*, by F. Close, Scope: popular account. Level: general readership. *Contemporary Physics*, 51(4):371–372, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2393] Professor N. Riley. *The Detonation Phenomenon*, by J. H. S. Lee, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 51(4):372–373,

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Harker:2010:PAN

[2394] Dr. A. H. Harker. *Physics and Applications of Negative Refractive Index Materials*, by S. Anantha Ramakrishna and T. M. Grzegorczyk, Scope: introduction/reference. Level: newcomer to the field and above. *Contemporary Physics*, 51(4):373–374, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2010:ATM

[2395] Assistant Professor Nikolaos E. Myridis. *Advanced Tomographic Methods in Materials Research and Engineering*, edited by J. Banhart, Scope: monograph. Level: undergraduate, postgraduate and postdoctoral workers. *Contemporary Physics*, 51(4):374, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kolosov:2010:BBM

[2396] Dr. Oleg Kolosov. *Biophotonics: Biological and Medical Physics*, Biomedical Engineering, edited by L. Pavesi and P. M. Fauchet, Scope: textbook. Level: graduate students in final year to academics. *Contemporary Physics*, 51(4):375, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kalmus:2010:PPG

[2397] Professor Peter Kalmus. *Playing with Planets*, by Gerard 't Hooft, Scope: popular science. Level: general reader. *Contemporary Physics*, 51(4): 375–376, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stenholm:2010:GTA

[2398] Professor Stig Stenholm. *A Group-Theoretical Approach to Quantum Optics*, by A. B. Klimov and S. M. Chumakov, Scope: monograph. Level: advanced lecturer or researcher. *Contemporary Physics*, 51(4): 376–377, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stenholm:2010:QCM

[2399] Professor Stig Stenholm. *Quantum Computing without Magic*, by Zdzislaw Meglicki, Scope: textbook. Level: researchers and advanced students. *Contemporary Physics*, 51(4):377–378, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stenholm:2010:IPC

[2400] Professor Stig Stenholm. *Information*, Physics and Computation, by Marc Mézard and Andrea Montanari, Scope: monograph. Level: specialist researcher. *Contemporary Physics*, 51(4):378, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stenholm:2010:ACM

[2401] Professor Stig Stenholm. *Advanced Condensed Matter Physics*, by L. M. Sander, Scope: textbook. Level: advanced undergraduate and beginning graduate. *Contemporary Physics*, 51(4):378–379, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2010:QTI

[2402] Professor D. G. C. Jones. *Quantum Transport. Introduction to Nanoscience*, by Y. V. Nazarov and Y. M. Blanter, Scope: general introduction. Level: postgraduate students and physicists. *Contemporary Physics*, 51(4):379–380, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2010:PCM

[2403] Professor S. J. Blundell. *A Paradigm Called Magnetism*, by S. Dattagupta, Scope: general introduction. Level: postgraduate. *Contemporary Physics*, 51(4):380, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2404] Jonathan P. Williams. The astrophysical environment of the solar birthplace. *Contemporary Physics*, 51(5):381–396, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2405] Doreen Stoneham and Marshall Stoneham. Beating the forger: authenticating ceramic antiquities. *Contemporary Physics*, 51(5):397–411, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2406] R. M. L. Evans. Statistical physics of shear flow: a non-equilibrium problem. *Contemporary Physics*, 51(5):413–427, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2407] Derry W. Jones. Sailing: saga and science. *Contemporary Physics*, 51(5): 429–431, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2408] Derry W. Jones. Magnetic mines, molecular models and the mind. *Contemporary Physics*, 51(5):433–437, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stefanovska:2010:BBE

[2409] Dr. Aneta Stefanovska. *The Biophysical Basis of Excitability*, by H. G. Fereira and M. W. Marshall, Scope: research. Level: postgraduate. *Contemporary Physics*, 51(5):439–440, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sambles:2010:MRS

[2410] Professor J. R. Sambles. *Microstructural Randomness and Scaling in Mechanics of Materials*, by M. Ostoja-Starzewski, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 51(5):440, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Boyd:2010:LTL

[2411] Professor T. J. M. Boyd. *Let there be Light*, by A. Montwill and A. Breslin, Scope: monograph. Level: general reader, undergraduate, graduate physics students. *Contemporary Physics*, 51(5):440–441, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Carroll:2010:MCA

[2412] Professor John E. Carroll. *Metamaterials: Critique and Alternatives*, by B. A. Munk, Scope: research monograph. Level: masters degree and above. *Contemporary Physics*, 51(5):441–444, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2010:SVS

[2413] Dr. Manuel Vogel. *Superconductivity — A very short introduction*, by S. Blundell, Scope: scientific essay. Level: interested reader. *Contemporary Physics*, 51(5):444, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Athorne:2010:ATD

[2414] Dr. Chris Athorne. *Algebraic Theory of Differential Equations*, edited by M. A. H. MacCallum and A. V. Mikhailov, Scope: workshop proceedings. Level: postgraduate/research level. *Contemporary Physics*, 51(5): 444–445, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Quenby:2010:FHE

[2415] Professor John J. Quenby. *Foundations of High-Energy Astrophysics*, by M. Vietri, Scope: textbook and reference. Level: postgraduate, advanced undergraduate and specialist. *Contemporary Physics*, 51(5):445–446, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2010:MCF

[2416] Professor Miguel A. F. Sanjuán. *Microscopic Chaos*, Fractals and Transport in Nonequilibrium Statistical Mechanics, Advanced Series in Nonlinear Dynamics, Vol. 24, by R. Klages, Scope: monograph. Level: graduate students and researchers. *Contemporary Physics*, 51(5):446–447, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sudbery:2010:PAD

[2417] Dr. Tony Sudbery. *Physics and the Art of Dance: Understanding Movement*, by K. Laws and A. Sugano, photographs by M. Swope and G. Schiavone, Scope: monograph. Level: general reader and undergraduate. *Contemporary Physics*, 51(5):447–448, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2010:ILM

[2418] Professor Miguel A. F. Sanjuán. *An Introduction to Lagrangian Mechanics*, by A. J. Brizard, Scope: textbook. Level: undergraduate and graduate students. *Contemporary Physics*, 51(5):448, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2010:SRS

[2419] Professor Miguel A. F. Sanjuán. *Stochastic Resonance. From Suprathreshold Stochastic Resonance to Stochastic Signal Quantization*, by M. D. McDonnell, N. G. Stocks, C. E. M. Pearce and D. Abbott, Scope: monograph. Level: graduate students and researchers. *Contemporary Physics*, 51(5):448–449, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zetie:2010:SBG

[2420] Dr. K. P. Zetie. *Stargazing Basics: Getting Started in Recreational Astronomy*, by P. E. Kinzer, Scope: introductory guide. Level: general reader. *Contemporary Physics*, 51(5):449–450, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fox:2010:SQB

[2421] Professor Mark Fox. *Semiconductor Quantum Bits*, edited by F. Henneberger and O. Benson, Scope: research monograph. Level: graduate students and researchers. *Contemporary Physics*, 51(5):450, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Solomon:2010:QHE

[2422] Professor Allan Solomon. *Quantum Hall Effects. Field Theoretical Approach and Related Topics*, 2nd ed., by Z. F. Ezawa, Scope: encyclopedic compendium. Level: student and researcher. *Contemporary Physics*, 51 (5):450–451, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stenholm:2010:UHD

[2423] Professor Stig Stenholm. *The Universe in a Helium Droplet*, by G. E. Volovik, Scope: monograph. Level: research level. *Contemporary Physics*, 51(5):451–452, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stenholm:2010:ALV

[2424] Professor Stig Stenholm. *Astrophysical Lasers*, by V. Letokhov and S. Johansson, Scope: monograph. Level: research level. *Contemporary Physics*, 51(5):452–453, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bohmer:2010:IQE

[2425] Dr. C. Böhmer. *Introduction to Quantum Effects in Gravity*, by V. F. Mukhanov and S. Winitzki, Scope: textbook. Level: undergraduate and graduate students, researchers. *Contemporary Physics*, 51(5):453, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2010:NVS

[2426] Dr. Manuel Vogel. *Nothing: A Very Short Introduction*, by F. Close. Scope: scientific essay. Level: — interested reader. *Contemporary Physics*, 51(5):453–454, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2010:RBF

[2427] Assistant Professor Nikolaos E. Myridis. *Radial Basis Functions*, by M. D. Buhmann, Scope: monograph. Level: general audience, mathematics theorists. *Contemporary Physics*, 51(5):454, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Duxbury:2010:JTE

[2428] Professor Geoffrey Duxbury. *The Jahn–Teller Effect*, by I. B. Bersuker, Scope: monograph. Level: advanced/research. *Contemporary Physics*, 51(5):455, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hobson:2010:PHN

[2429] Professor Peter Hobson. *Polarization Holography*, by L. Nikolova and P. S. Ramanujam, Scope: monograph. Level: specialist. *Contemporary Physics*, 51(5):455–456, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Martin:2010:YHP

[2430] Professor Alan Martin. *You are Here: A Portable History of the Universe*, by C. Potter, Scope: plain text. Level: general reader. *Contemporary Physics*, 51(5):456, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lawrie:2010:AQG

[2431] Professor Ian D. Lawrie. *Approaches to Quantum Gravity*, edited by Daniele Oriti, Scope: monograph. Level: specialist. *Contemporary Physics*, 51(5):457, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Probert:2010:SCM

[2432] Dr. Matt Probert. *Symmetry and Condensed Matter Physics — A Computational Approach*, by M. El-Batanouny and F. Wooten, Scope: textbook. Level: active researcher at postgraduation and above. *Contemporary Physics*, 51(5):457–458, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2010:BCE

[2433] Dr. Stephen H. Ashworth. *The Behaviour of Chemical Elements in Stars*, by C. Jascheck and M. Jasheck, Scope: reference work. Level: postgraduate/specialist. *Contemporary Physics*, 51(5):458–459, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pounds:2010:GVS

[2434] Professor Ken Pounds. *Galaxies: A Very Short Introduction*, by J. Gribbin, Scope: monograph. Level: general reader. *Contemporary Physics*, 51(5):459–460, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Matravers:2010:FBB

[2435] Professor David Matravers. *Finding the Big Bang*, edited by P. J. E. Peebles, L. A. Page, Jr. and R. B. Partridge, Scope: history of science. Level: general reader with an interest in cosmology to specialist in history or philosophy of science. *Contemporary Physics*, 51(5):460–463, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2010:BEC

[2436] Dr. J. Rogel-Salazar. *Bose–Einstein Condensation in Dilute Gases*, 2nd ed., by C. J. Pethick and H. Smith. Scope: textbook. Level: advanced undergraduate and postgraduate. *Contemporary Physics*, 51(5):463, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

MacKay:2010:CIN

[2437] Professor R. S. MacKay. *The Correspondence of Isaac Newton*, Volume V, 1709–1713, edited by A. Rupert Hall and L. Tilling, Scope: reference. Level: specialist in history of science. *Contemporary Physics*, 51(5): 463–464, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2010:SMB

[2438] Professor Peter V. E. McClintock. *Sirius Matters*, by N. Brosch, Scope: monograph. Level: undergraduates, graduate students, amateur astronomers, educated public. *Contemporary Physics*, 51(5):464–465, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2010:ONS

[2439] Professor S. J. Blundell. *Observing the Night Sky with Binoculars*, by S. J. O'Meara, Scope: popular astronomy. Level: general. *Contemporary Physics*, 51(5):465, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Roussev:2010:SSM

[2440] Professor Ilia I. Roussev. *Solar and Stellar Magnetic Activity*, by C. Schrijver and C. Zwaan, Scope: textbook. Level: specialist, postgraduate, graduate and undergraduate. *Contemporary Physics*, 51(5):466,

2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Roussev:2010:CDH

[2441] Professor Ilia I. Roussev. *Cool Discs, Hot Flows: The Varying Faces of Accreting Compact Objects*, edited by M. Axelsson, Scope: conference proceedings. Level: specialist, postgraduate and graduate. *Contemporary Physics*, 51(5):466–467, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:2010:APP

[2442] Dr. Robert C. Smith. *Astrophysics Processes: The Physics of Astronomical Phenomena*, by H. Bradt, Scope: textbook. Level: senior undergraduate/beginning postgraduate. *Contemporary Physics*, 51(5):467, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sangoro:2010:PLC

[2443] Joshua R. Sangoro. *Polymers, Liquids and Colloids in Electric Fields*, edited by Y. Tsori and U. Steiner, Scope: textbook. Level: specialist and non-specialist. *Contemporary Physics*, 51(5):467–468, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tiwari:2010:QCI

[2444] Dr. S. C. Tiwari. *From Quantum Cohomology to Integrable Systems*, by M. A. Guest, Scope: textbook. Level: graduate, researchers. *Contemporary Physics*, 51(5):468–469, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Palffy:2010:NEA

[2445] Adriana Pálffy. Nuclear effects in atomic transitions. *Contemporary Physics*, 51(6):471–496, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gerry:2010:POQ

[2446] Christopher C. Gerry and Jihane Mimih. The parity operator in quantum optical metrology. *Contemporary Physics*, 51(6):497–511, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zavrtanik:2010:UHE

[2447] Danilo Zavrtanik. Ultra high energy cosmic rays. *Contemporary Physics*, 51(6):513–529, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2010:QQ

[2448] P. J. Bussey. Quantum quicksands. *Contemporary Physics*, 51(6):531–534, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pounds:2010:SEL

[2449] Professor Ken Pounds. *Space Enterprise — Living and Working Offworld in the 21st Century*, by Philip R. Harris, Scope: source book. Level: general reader and specialist. *Contemporary Physics*, 51(6):535, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

vanderWeele:2010:LDU

[2450] Professor Ko van der Weele. *The Light/Dark Universe. Light from Galaxies*, Dark Matter and Dark Energy, by J. M. Overduin and P. S. Wesson, Scope: monograph. Level: informed reader interested in astronomy. *Contemporary Physics*, 51(6):535–536, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stenholm:2010:PMN

[2451] Professor Stig Stenholm. *Philosophy of Mathematics and Natural Science*, by H. Weyl. Source: monograph. Level. researchers and advanced students. *Contemporary Physics*, 51(6):537–539, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2010:TGF

[2452] Emeritus Professor Derry W. Jones. *Turbulence*, by Giles Foden, Scope: wartime meteorology and fiction. Level: general reader. *Contemporary Physics*, 51(6):539–540, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2010:FSP

[2453] Dr. Manuel Vogel. *Future Spacecraft Propulsion Systems*, 2nd ed., by P. A. Czysz and C. Bruno, Scope: electric rockets explained, IAC, propulsion space, spacecraft engines. Level: advanced students and experts on the field. *Contemporary Physics*, 51(6):540–541, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vedral:2010:QSM

[2454] Professor Vlatko Vedral. *Quantum Statistical Mechanics*, by W. C. Schieve and L. P. Horwitz, Scope: basic theory, with applications from

quantum optics to quantum gravity. Level: researchers and advanced students. *Contemporary Physics*, 51(6):541–542, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2010:QIO

[2455] Assistant Professor Nikolaos E. Myridis. *Quantum Information*, Oxford Master Series in Physics, by Stephen M. Barnett, Scope: quantum information, quantum computing and the foundations of quantum theory. Level: undergraduate, graduate and postgraduate. *Contemporary Physics*, 51(6):542–543, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wallis:2010:CIK

[2456] Dr. Max Wallis. *Cosmic Imagery: Key Images in the History of Science*, by John D. Barrow, Scope: key concepts. Level: general reader. *Contemporary Physics*, 51(6):543–544, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jamil:2010:CSP

[2457] Dr. M. Jamil. *Computer Solutions in Physics: With Applications in Astrophysics, Biophysics, Differential Equations, and Engineering*, by Steve VanWyk, Scope: monograph. Level: undergraduate students. *Contemporary Physics*, 51(6):544–545, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2010:WMS

[2458] Professor M. Bertolotti. *Waves in Metamaterials*, by L. Solymar and E. Shamonina, Scope: textbook. Level: researchers and advanced students. *Contemporary Physics*, 51(6):545–546, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2010:UMB

[2459] Dr. Peter J. Bussey. *Universe or Multiverse?*, by Bernard Carr, Scope: review. Level: physicists and philosophers advanced undergraduate and above. *Contemporary Physics*, 51(6):546–550, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pierri-Galvao:2010:NPT

[2460] Dr. Monica Pierri-Galvao. *The New Physics: For the Twenty-first Century*, by Gordon Fraser, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 51(6):550–551, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2010:DSO

[2461] Professor Peter V. E. McClintock. *Dynamics of Self-Organized and Self-Assembled Structures*, by Rashmi C. Desai and Raymond Kapral, Scope: monograph. Level: professional physicists, researchers, Ph.D. students, advanced undergraduates. *Contemporary Physics*, 51(6):551–552, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2010:MTI

[2462] Dr. Stephen H. Ashworth. *Measured Tones: The Interplay of Physics and Music*, 3rd edition, by Ian Johnston, Scope: monograph. Level: general reader. *Contemporary Physics*, 51(6):552, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2010:BSA

[2463] Dr. Stephen H. Ashworth. *Building Scientific Apparatus*, 4th edition, by John H. Moore, Christopher C. Davis, Michael A. Coplan and Sandra E. Greer, Scope: reference. Level: anyone using, designing, modifying or specifying scientific apparatus. *Contemporary Physics*, 51(6): 552–553, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Munro:2010:FMI

[2464] Dr. Peter R. T. Munro. *Fundamentals of Medical Imaging*, by Paul Suetens, Scope: textbook and reference. Level: undergraduate, graduate and practicing scientist/engineer. *Contemporary Physics*, 51(6): 553–554, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Munro:2010:CTP

[2465] Dr. Peter R. T. Munro. *Computed Tomography: From Photon Statistics to Modern Cone-Beam CT*, by Thorsten M. Buzug, Scope: textbook and reference. Level: graduate and practising scientist/engineer. *Contemporary Physics*, 51(6):554–555, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milonni:2010:ENF

[2466] Dr. Peter W. Milonni. *Electronic Noise and Fluctuations in Solids*, by Sh. Kogan, Scope: general reader, postgraduate and specialist. Level: anyone interested in the theory of fluctuation phenomena. *Contemporary Physics*, 51(6):555, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pounds:2010:FEG

[2467] Professor Ken Pounds. *Formation and Evolution of Galaxy Bulges (IAU S245), Proceedings of the IAU Symposia and Colloquia*, edited by Martin Bureau, E. Athanassoula, and Beatriz Barbuy Scope: wide-ranging review. Level: graduate students and active researchers. *Contemporary Physics*, 51(6):556, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:2010:SSC

[2468] Dr. Robert C. Smith. Stellar Spectral Classification, by Richard O. Gray and Christopher J. Corbally, Scope: monograph and reference book. Level: advanced undergraduates, postgraduates and specialists. *Contemporary Physics*, 51(6):556–557, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wickramasinghe:2010:IPI

[2469] Professor N. C. Wickramasinghe. An Introduction to the Physics of Interstellar Dust, by E. Krugel, Scope: textbook. Level: workers in the field of interstellar dust. *Contemporary Physics*, 51(6):557, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2010:VOI

[2470] Dr. Manuel Vogel. In Vivo Optical Imaging of Brain Function, 2nd ed., edited by Ron D. Frostig, Scope: monograph. Level: advanced graduate and postgraduate researchers. *Contemporary Physics*, 51(6):557–558, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2010:QFL

[2471] Dr. Peter J. Bussey. *The Quantum Frontier: The Large Hadron Collider*, by D. Lincoln, Scope: general interest. Level: general readership, undergraduate. *Contemporary Physics*, 51(6):558–559, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Probert:2010:PMM

[2472] Dr. Matt Probert. *Physics Meets Mineralogy: Condensed-Matter Physics in Geosciences*, edited by Hideo Aoki, Yasuhiko Syono and Russell J. Hemley, Scope: geophysicists, mineralogists, condensed matter physicists. Level: graduate level textbook. *Contemporary Physics*, 51(6): 559, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Martin:2010:OLU

[2473] Professor Alan Martin. *Origins of Life in the Universe*, by R. Jastrow and M. Rampino, Scope: illustrated text for non-science students. Level: general reader. *Contemporary Physics*, 51(6):559–560, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2010:EGT

[2474] Professor Peter V. E. McClintock. *Engineering the Guitar: Theory and Practice*, by Richard Mark French, Scope: monograph. Level: undergraduate physicists and engineers, musicologists, guitar builders and players. *Contemporary Physics*, 51(6):560–561, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2010:ISP

[2475] Dr. Manuel Vogel. *Introduction to Statistical Physics*, 2nd ed., by Kerson Huang, Scope: textbook. Level: undergraduate students. *Contemporary Physics*, 51(6):561, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2010:PSD

[2476] Professor Peter V. E. McClintock. *Planetary Systems: Detection, Formation and Habitability of Extrasolar Planets*, by M. Ollivier, T. Encrenaz, F. Roques, F. Selsis and F. Casoli, Scope: monograph. Level: undergraduate and postgraduate physicists and researchers. *Contemporary Physics*, 51(6):561–562, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2477] Matthew R. Foreman. Short notices. *Contemporary Physics*, 51(6):562–563, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2478] Anonymous. Editorial board. *Contemporary Physics*, 51(6):ebi, 2010. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2479] Joan Centrella, John Baker, Bernard Kelly, and James van Meter. Merging black holes. *Contemporary Physics*, 52(1):1–14, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2480] Richard G. Carter. Acceleration technologies for charged particles: an introduction. *Contemporary Physics*, 52(1):15–41, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2481] Christopher Eling, Itzhak Fouxon, and Yaron Oz. Gravity and a geometrisation of turbulence: an intriguing correspondence. *Contemporary Physics*, 52(1):43–54, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2482] Keith A. Nugent. The measurement of phase through the propagation of intensity: an introduction. *Contemporary Physics*, 52(1):55–69, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2483] Peter V. E. McClintock. Quantum aspects of life. *Contemporary Physics*, 52(1):71–73, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2011:WOC

[2484] Dr. Manuel Vogel. *Waves in Oceanic and Coastal Waters*, by Leo H. Holthuijsen, Scope: textbook. Level: advanced undergraduate and above. *Contemporary Physics*, 52(1):75, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2011:OPR

[2485] Professor Mario Bertolotti. *Optical Pattern Recognition*, edited by F. T. S. Yu and S. Jutamulia, Scope: review. Level: graduate students and researchers. *Contemporary Physics*, 52(1):75–76, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2011:EDW

[2486] Professor Mario Bertolotti. *The Essence of Dielectric Waveguides*, by C. Yeh and F. Shimabukuro, Scope: overview. Level: researchers and students in optical communications, photonics and applied electromagnetics. *Contemporary Physics*, 52(1):76–77, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Probert:2011:ESB

[2487] Dr. Matt Probert. *Electronic Structure: Basic Theory and Practical Methods*, by Richard M. Martin, Scope: graduate level textbook. Level: theoretical materials scientists/condensed matter physicists/computational chemists. *Contemporary Physics*, 52(1):77, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tarleton:2011:ASM

[2488] Dr. Edmund Tarleton. *Applied Solid Mechanics*, by P. Howell, G. Kozyreff and J. Ockendon, Scope: textbook. Level: graduate and advanced undergraduate. *Contemporary Physics*, 52(1):77–79, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2489] Dr. M. Jamil. *An Introduction to the Physics of Particle Accelerators*, by Mario Conte and William W. MacKay, Scope: monograph. Level: graduate students and researchers. *Contemporary Physics*, 52(1):79–80, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2011:QMB

[2490] Dr. Peter J. Bussey. *Quantum Mechanics with Basic Field Theory*, by Bipin R. Desai, Scope: course book. Level: graduate. *Contemporary Physics*, 52(1):80, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Belsley:2011:MPE

[2491] Professor Michael Belsley. *Mrs. Perkins's Electric Quilt and Other Intriguing Stories of Mathematical Physics*, by Paul J. Nahin, Scope: general. Level: undergraduate. *Contemporary Physics*, 52(1):80–81, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tiwari:2011:HSM

[2492] Dr. S. Tiwari. *Hilbert Space Methods in Quantum Mechanics*, by Werner O. Amrein, Scope: handbook. Level: undergraduate. *Contemporary Physics*, 52(1):81–82, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2011:UOD

[2493] Professor Peter V. E. McClintock. *The Universe — Order Without Design*, by Carlos I. Calle, Scope: monograph. Level: general reader. *Contemporary Physics*, 52(1):82–83, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2494] Dr. A. M. Fox. *Magnetism and Magnetic Materials*, by J. M. D. Coey, Scope: handbook. Level: advanced undergraduates, postgraduates and researchers. *Contemporary Physics*, 52(1):83–84, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2011:DRU

[2495] Dr. Peter J. Bussey. *Decoding Reality: The Universe as Quantum Information*, by Vlatko Vedral, Scope: monograph. Level: general reader. *Contemporary Physics*, 52(1):84–85, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sheldon:2011:AAN

[2496] Professor Eric Sheldon. *Alex's Adventures in Numberland*, by Alex Bellos, Scope: general interest. Level: general readership. *Contemporary Physics*, 52(1):85–86, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milonni:2011:SPP

[2497] Dr. Peter W. Milonni. *Statistical Physics of Particles*, by Mehran Kardar, Scope: textbook. Level: advanced undergraduate and graduate. *Contemporary Physics*, 52(1):86–87, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2011:QRT

[2498] Dr. Peter J. Bussey. *Quantum Reality: Theory and Philosophy*, by Jonathan Allday, Scope: general interest. Level: general readership. *Contemporary Physics*, 52(1):87, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2011:PCR

[2499] Assistant Professor Nikolaos E. Myridis. *Perspectives in Computation*, by Robert Geroch, Scope: theory of computation. Level: graduate and advanced undergraduate students, scientists. *Contemporary Physics*, 52 (1):87–88, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Salama:2011:GFD

[2500] Dr. Amgad Salama. *Geological Fluid Dynamics: Sub-Surface Flow and Reactions*, by O. M. Phillips, Scope: textbook. Level: graduate. *Contemporary Physics*, 52(1):88–89, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Smith:2011:RSS

[2501] Dr. Robert C. Smith. *The Rotation of Sun and Stars*, by J.-P. Rozelot and C. Neiner/*Physics, Formation and Evolution of Rotating Stars*, by A. Maeder, Scope: monograph and reference. Level: postgraduates and specialists/scope: monograph. Level: postgraduates, specialists and advanced undergraduates. *Contemporary Physics*, 52(1):89–91, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2011:MTS

[2502] Dr. Stephen H. Ashworth. *Modern Thermodynamics with Statistical Mechanics*, by Carl S. Helrich, Scope: textbook. Level: advanced undergraduate/postgraduate. *Contemporary Physics*, 52(1):91–92, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stoneham:2011:CNE

[2503] Emeritus Massey Professor Marshall Stoneham. *Chirality at the Nanoscale*, edited by David B. Amabilino, Scope: monograph. Level: graduate student/research scientist. *Contemporary Physics*, 52(1):92–93, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ellis:2011:AST

[2504] Richard Ellis. *Astronomical Spectrographs and Their History*, by John J. Hearnshaw, Scope: monograph. Level: science historians, general scientific, undergraduates. *Contemporary Physics*, 52(1):93, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McFarland:2011:CDS

[2505] John McFarland. *The Cambridge Double Star Atlas*, by J. Mullaney and W. Tirion, Scope: handbook. Level: general reader and specialists. *Contemporary Physics*, 52(1):93–94, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2011:SFS

[2506] Emeritus Professor Derry W. Jones. *Seeing Further: The Story of Science and the Royal Society*, edited by Bill Bryson, Scope: articles on history, philosophy and a range of science. Level: general reader. *Contemporary Physics*, 52(1):94–95, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2011:INS

[2507] Dr. Manuel Vogel. *Introduction to Nuclear Science*, by J. C. Bryan, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 52(1): 95–96, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2011:MWH

[2508] Dr. Peter J. Bussey. *The Many Worlds of Hugh Everett III*, by Peter Byrne, Scope: biography. Level: undergraduate physicist and philosopher and above. *Contemporary Physics*, 52(1):96–97, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Carroll:2011:SOT

[2509] Professor John E. Carroll. *Superstrings and Other Things: A Guide to Physics*, 2nd ed., by Carlos I. Calle, Scope: manual. Level: general scientific reader. *Contemporary Physics*, 52(1):97, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2011:BSP

[2510] Professor Miguel A. F. Sanjuán. *Basics of Statistical Physics*, by Harald J. W. Müller-Kirsten, Scope: textbook, monograph. Level: undergraduate and graduate students. *Contemporary Physics*, 52(1):97–98, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2011:CTP

[2511] Professor Miguel A. F. Sanjuán. *Concepts in Thermal Physics*, 2nd ed., by Stephen J. Blundell and Katherine M. Blundell, Scope: handbook. Level: undergraduate and graduate students. *Contemporary Physics*, 52 (1):98, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2011:SCC

[2512] Assistant Professor Nikolaos E. Myridis. *Scientific Computing with Case Studies*, by Dianne P. O'Leary, Scope: textbook. Level: undergraduate and early graduate students. *Contemporary Physics*, 52(1):98–99, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Salama:2011:UFF

[2513] Dr. Amgad Salama. *Understanding Fluid Flow*, by Grae Worster, Scope: general interest. Level: undergraduate. *Contemporary Physics*, 52(1): 99–100, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Krucken:2011:ISS

[2514] Reiner Krücken. Introduction to shell structure in exotic nuclei. *Contemporary Physics*, 52(2):101–120, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pettinelli:2011:RWT

[2515] Elena Pettinelli, Pier Matteo Barone, Elisabetta Mattei, and Sebastian Emanuel Lauro. Radio wave techniques for non-destructive archaeological investigations. *Contemporary Physics*, 52(2):121–130, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Keeling:2011:EPC

[2516] Jonathan Keeling and Natalia G. Berloff. Exciton–polariton condensation. *Contemporary Physics*, 52(2):131–151, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2011:DMP

[2517] Assistant Professor Nikolaos E. Myridis. *Discrete Mathematics: Proof*, Structures, and Applications, 3rd edn., by Rowan Garnier and John Taylor, Scope: text-book. Level: undergraduate computer science students. *Contemporary Physics*, 52(2):153, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2011:MMU

[2518] Assistant Professor Nikolaos E. Myridis. *The Mathematical Mechanic: Using Physical Reasoning to Solve Problems*, by Mark Levi, Scope: handbook. Level: students, scientists, physicists, mathematicians. *Contemporary Physics*, 52(2):154, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2011:EPD

[2519] D. G. C. Jones. *The Edge of Physics: Dispatches from the Frontiers of Cosmology*, by Anil Ananthaswamy, Scope: synoptic picture of experimental modern astronomy, cosmology and particle physics. Level: general readers, a level and undergraduate physicists, specialists in other fields. *Contemporary Physics*, 52(2):155, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Salama:2011:GVP

[2520] Dr. Amgad Salama. *Good Vibrations: The Physics of Music*, by Barry Parker, Scope: textbook. Level: general reader. *Contemporary Physics*,

52(2):155–156, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2011:IRC

[2521] Professor J. Rogel-Salazar. *Interest Rates and Coupon Bonds in Quantum Finance*, by Belal E. Baaquie, Scope: monograph. Level: specialist. *Contemporary Physics*, 52(2):156, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2011:MMF

[2522] Professor S. J. Blundell. *Micromagnetism and the Microstructure of Ferromagnetic Solids*, by Helmut Kronmüller and Manfred Fähnle, Scope: monograph. Level: researcher. *Contemporary Physics*, 52(2):157, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Linton:2011:AMM

[2523] Professor Chris Linton. *Applied Mathematical Methods in Theoretical Physics*, 2nd edn., by Michio Masujima, Scope: reference. Level: undergraduates, postgraduates, engineers. *Contemporary Physics*, 52(2): 157–158, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lawrie:2011:QFT

[2524] Professor Ian D. Lawrie. *Quantum Field Theory in Curved Spacetime: Quantized Fields and Gravity*, by L. Parker and D. Toms, Scope: monograph. Level: postgraduate, researcher, specialist. *Contemporary Physics*, 52(2):158–159, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2011:UQF

[2525] Professor Peter V. E. McClintock. *Ultracold Quantum Fields*, by H. T. C. Stoof, K. B. Gubbels and D. B. M. Dickerscheid, Scope: monograph. Level: researchers, postgraduate physicists and senior undergraduates. *Contemporary Physics*, 52(2):159, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McFarland:2011:TOD

[2526] John McFarland. *Theory of Orbit Determination*, by Andrea Milani and Giovanni F. Gronchi, Scope: reference. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 52(2):160, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Benhamou:2011:PGGa

[2527] Mabrouk Benhamou. *P. G. de Gennes' Impact on Science: Volume I*, edited by Julien Bok, Jacques Prost and Françoise Brochard-Wyart, Scope: handbook. Level: general readership. *Contemporary Physics*, 52 (2):160–161, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jamil:2011:SCG

[2528] Dr. M. Jamil. *Scientific Computation*, by Gaston H. Gonnet and Ralf Scholl, Scope: monograph. Level: graduate level students. *Contemporary Physics*, 52(2):161–162, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2011:CNL

[2529] Dr. A. H. Harker. *Concepts of Nanochemistry*, by Ludovico Cademartiri and Geoffrey A. Ozin, Scope: monograph. Level: undergraduate and postgraduate. *Contemporary Physics*, 52(2):162, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Solomon:2011:QMC

[2530] Professor Allan Solomon. *Quantum Measurement and Control*, by H. M. Wiseman and G. J. Milburn, Scope: monograph. Level: postgraduate and researcher. *Contemporary Physics*, 52(2):162–163, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2011:IRJ

[2531] Dr. R. S. Shorter. *An Introduction to Relativity*, by Jayant V. Narlikar, Scope: review. Level: undergraduate and postgraduate. *Contemporary Physics*, 52(2):163–164, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2011:CVP

[2532] Dr. R. S. Shorter. *Cremona Violins: A Physicist's Quest for Secrets of Stradivari*, by Kameshwar C. Wali, Scope: general interest. Level: general readership. *Contemporary Physics*, 52(2):164, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Garrett:2011:IPM

[2533] Dr. Natalie L. Garrett. *Introduction to Physics in Modern Medicine*, 2nd edn., by Suzanne Amador Kane, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 52(2):164–165, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Volpe:2011:DME

[2534] Dr. Giovanni Volpe. *Darwin Meets Einstein. On the Meaning of Science*, by Frans W. Saris, Scope: popular account. Level: general reader. *Contemporary Physics*, 52(2):165–166, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sambles:2011:SPP

[2535] Professor J. R. Sambles. *Symmetries in Physics: Philosophical Reflections*, edited by Katherine Brading and Elena Castellani, Scope: edited volume. Level: postgraduate. *Contemporary Physics*, 52(2):166–168, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vedral:2011:QPS

[2536] Professor Vlatko Vedral. *Quantum Processes*, Systems, and Information, by Benjamin Schumacher and Michael Westmoreland, Scope: review. Level: undergraduate and postgraduate. *Contemporary Physics*, 52(2): 168, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2011:USS

[2537] Dr. A. H. Harker. *Understanding Solid State Physics*, by Sharon Ann Holgate, Scope: monograph. Level: undergraduate. *Contemporary Physics*, 52(2):169, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2011:SDH

[2538] Dr. D. G. C. Jones. *Semiconductor Devices for High-Speed Optoelectronics*, by Giovanni Ghione, Scope: monograph and review. Level: undergraduate, postgraduate and early career researcher. *Contemporary Physics*, 52(2):169–170, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Matravers:2011:PDP

[2539] Professor David Matravers. *The Primordial Density Perturbation: Cosmology*, Inflation and the Origin of Structure, by David H. Lyth and Andrew R. Liddle, Scope: monograph. Level: postgraduate, early career researcher. *Contemporary Physics*, 52(2):170–171, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Solomon:2011:NRQ

[2540] Professor Allan Solomon. *Non-relativistic Quantum Theory: Dynamics*, Symmetry and Geometry, by Kai S. Lam, Scope: monograph. Level: undergraduate and postgraduate. *Contemporary Physics*, 52(2):171, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Garrett:2011:BAN

[2541] Dr. Natalie L. Garrett. *Biochemical Applications of Nonlinear Optical Spectroscopy*, edited by Vladislav V. Yakovlev, Scope: edited book. Level: advanced undergraduate, postgraduate and researcher. *Contemporary Physics*, 52(2):171–172, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hobson:2011:LHC

[2542] Professor Peter R. Hobson. *The Large Hadron Collider: A Marvel of Technology*, edited by Lyndon Evans, Scope: edited book. Level: general reader and non-specialists. *Contemporary Physics*, 52(2):172–173, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2011:LPD

[2543] Assistant Professor Nikolaos E. Myridis. *Linear Partial Differential Equations and Fourier Theory*, by Marcus Pivato, Scope: monograph. Level: students in mathematics and physics, lecturers. *Contemporary Physics*, 52(2):173–174, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bridges:2011:SIT

[2544] Professor Thomas J. Bridges. *Solitons, Instantons, and Twistors*, by Maciej Dunajski, Scope: review. Level: undergraduate, postgraduate, early career researcher. *Contemporary Physics*, 52(2):174–175, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2011:CMT

[2545] Dr. Peter J. Bussey. *Causality, Measurement Theory and the Differentiable Structure of Space–Time*, by R. N. Sen, Scope: monograph. Level: specialist. *Contemporary Physics*, 52(2):175, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sambles:2011:EAB

[2546] Professor J. R. Sambles. *Electromagnetic Anisotropy and Bianisotropy: A Field Guide*, by Tom G. Mackay and Akhlesh Lakhtakia, Scope: monograph. Level: postgraduate, early career researcher, specialist. *Contem-*

porary Physics, 52(2):176–177, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wilson:2011:SLT

[2547] Professor J. I. B. Wilson. *Spectroscopy of Low Temperature Plasma*, by V. N. Ochkin translated by S. Kittell, Scope: monograph. Level: researcher. *Contemporary Physics*, 52(2):177, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2011:FFC

[2548] Emeritus Professor Derry W. Jones. *On Fact and Fraud: Cautionary Tales from the Front Lines of Science*, by David Goodstein, Scope: twentieth century physics history and advice for scientists and administrators. Level: general reader. *Contemporary Physics*, 52(2):178–179, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Banerji:2011:MOL

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[2610] Ken Zetie. *A Question and Answer Guide to Astronomy*, by Pierre-Yves Bely, Scope: general interest. Level: general readership, non-specialists. *Contemporary Physics*, 52(5):482, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2611] Lewis Ryder. *Relativity, Gravitation and Cosmology*, by Robert J. A. Lambourne, Scope: review. Level: undergraduate. *Contemporary Physics*, 52(5):482–483, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2612] Peter Kalmus. *Neutrino*, by Frank Close, Scope: review. Level: general readership, undergraduate, postgraduate, teacher, scientist. *Contemporary Physics*, 52(5):483–484, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2613] Manuel Vogel. *Cosmochemistry*, by Harry Y. McSween, Jr. and Gary R. Huss, Scope: monograph. Level: advanced undergraduate students. *Contemporary Physics*, 52(5):484, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2615] Peter J. Bussey. *Advanced Modern Physics: Theoretical Foundations*, by John Dirk Walecka, Scope: manual. Level: postgraduate. *Contemporary Physics*, 52(5):485–486, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2616] Peter V. E. McClintock. *Experimental and Computational Techniques in Soft Condensed Matter Physics*, edited by Jeffrey Olafsen, Scope: monograph. Level: researchers and postgraduate physicists. *Contemporary Physics*, 52(5):486, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2621] R. Ellis. *An Introduction to the Theory of Stellar Structure and Evolution*, 2nd edn., by Dina Prialnik, Scope: monograph. Level: early career researcher, postgraduate, teacher. *Contemporary Physics*, 52(5): 490, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2622] M. Ogilvie. *Non-Perturbative Field Theory — From Two Dimensional Conformal Field Theory to QCD in Four Dimensions*, by Yitzhak Frishman and Jacob Sonnenschein, Scope: review. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 52(5):490–491, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2623] David Matravers. *Bayesian Logical Data Analysis for the Physical Sciences*, edited by P. C. Gregory, Scope: text book, handbook. Level: postgraduate. *Contemporary Physics*, 52(5):491–492, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2627] K. Alan Shore. *Handbook of Plastic Optics*, edited by Stefan Baumer, Weinheim. *Contemporary Physics*, 52(5):494, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2629] K. Alan Shore. *Twisted Photons: Application of Light with Orbital Angular Momentum*, edited by Juan P. Torres and Lluis Torner. *Contemporary Physics*, 52(5):495, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2630] Timothy J. Sumner. *Particle Dark Matter*, edited by Gianfranco Bertone. *Contemporary Physics*, 52(5):496, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2631] Allan I. Solomon. *Group Theory for the Standard Model of Particle Physics and Beyond*, by Ken J. Barnes. *Contemporary Physics*, 52(5):

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[2632] Ian Thompson. *NIST Handbook of Mathematical Functions*, edited by Frank W. J. Olver, Daniel W. Lozier, Ronald F. Boisvert, Charles W. Clark. *Contemporary Physics*, 52(5):497–498, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2633] Simon Redfern. *Elementary Scattering Theory For X-ray and Neutron Users*, by D. S. Sivia. *Contemporary Physics*, 52(5):498, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2635] Yves Laberge. *An Illustrated Guide to Relativity*, by Tatsu Takeuchi. *Contemporary Physics*, 52(5):499–500, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2636] Andy Chia. *Introduction to Optical Quantum Information Processing*, by Pieter Kok and Brendon W. Lovett. *Contemporary Physics*, 52(5): 500–501, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2637] Giovanni Volpe. *The Inverted Bowl: Introductory Accounts of the Universe and its Life*, by George H. A. Cole. *Contemporary Physics*, 52 (5):501, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2679] P. J. Bussey. *The Beautiful Invisible: Creativity, Imagination and Theoretical Physics*, by Giovanni Vignale, Scope: general interest. Level: general readership. *Contemporary Physics*, 52(6):622–623, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2682] John McFarland. *Astrophysics and Twentieth-Century Astronomy to 1950: Part A*, edited by O. Gingerich, Scope: edited book. Level: pre-university, undergraduate, postgraduate, researcher. *Contemporary Physics*, 52(6):624–625, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2683] S. C. Tiwari. *Emmy Noether's Wonderful Theorem*, by D. E. Neuenschwander, Scope: monograph. Level: senior undergraduate/graduate physics students. *Contemporary Physics*, 52(6):625–626, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2684] Doğa Gürsoy. *The Science of Imaging: An Introduction*, 2nd edn., by Graham Saxby, Scope: general interest. Level: general readership, non-specialists, undergraduates, teachers. *Contemporary Physics*, 52(6):626, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2685] Nikolaos E. Myridis. *Paradigms of Combinatorial Optimization: Problems and New Approaches*, edited by Vangelis T. Paschos, Scope: edited book. Level: postgraduate, researcher, teacher, scientist. *Contemporary Physics*, 52(6):626–627, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2686] David L. Andrews. *Introduction to Quantum Optics: From the Semi-Classical Approach to Quantized Light*, by Gilbert Grynberg, Alain Aspect and Claude Fabre, Scope: monograph. Level: postgraduate, early career researcher, researcher, teacher, specialist, scientist. *Contemporary Physics*, 52(6):627–628, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2688] D. J. Miller. *What are Gamma-Ray Bursts?*, by Joshua S. Bloom, Scope: review. Level: non-specialists. *Contemporary Physics*, 52(6):629–630, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2689] Thomas Peters. *Turbulence and Shell Models*, by P. D. Ditlevsen, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 52(6):630–631, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2690] Robert D. Joseph. *How Old is the Universe?*, by David A. Weintraub, Scope: review. Level: undergraduate. *Contemporary Physics*, 52(6):631–632, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2691] Alan Martin. *Quantum Physics for Poets*, by Leon M. Lederman and Christopher T. Hill, Scope: general interest. Level: general readership.

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[2692] Gerard Milburn. *Classical and Quantum Information*, by D. C. Marinescu and G. M. Marinescu, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 52(6):632–633, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2693] Martin Hendry. *Lectures on Gravitation*, by Ashok Das, Scope: review. Level: postgraduate, early career researcher, researcher, teacher. *Contemporary Physics*, 52(6):633–634, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2694] Adriana Pálffy. *The Quantum Story: A History in 40 Moments*, by Jim Baggott, Scope: general interest. Level: general readership. *Contemporary Physics*, 52(6):634–635, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2695] Miguel A. F. Sanjuán. *Adaptation in Dynamical Systems*, by Ivan Tyukin, Scope: monograph, reference. Level: general reader, undergraduate, postgraduate, specialist. *Contemporary Physics*, 52(6):635, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2696] Geoffrey Duxbury. *Concepts and Methods of 2D Infrared Spectroscopy*, by Peter Hamm and Martin Zanni, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 52(6):636, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2011:EB

[2697] Anonymous. Editorial board. *Contemporary Physics*, 52(6):ebi, 2011. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2701] Eric Sheldon. Essay review: *Neutrino Physics*, 2nd edn., by K. Zuber. ISN 978-1-4200-6471-1, Scope: textbook, review level: postgraduate, researcher, specialist. *Contemporary Physics*, 53(1):53–54, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harris:2012:WRE

[2702] David Harris. *Waves and Rays in Elastic Continua*, by Michael A. Slawinski, Scope: monograph. Level: postgraduate, scientist, engineers. *Contemporary Physics*, 53(1):55, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2703] S. W. Lovesey. *Optical Interactions in Solids*, 2nd edn, Scope: monograph. Level: researcher. *Contemporary Physics*, 53(1):56, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2704] Adolfo del Campo. *Fundamentals and New Frontiers of Bose–Einstein Condensation*, Scope: monograph. Level: advanced graduate and postgraduate students and researchers. *Contemporary Physics*, 53(1):56–57, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2705] Amgad Salama. *Classical Mechanics Illustrated by Modern Physics: 42 Problems with Solutions*, Scope: reference. Level: undergraduate. *Contemporary Physics*, 53(1):57, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jamil:2012:MAN

[2706] M. Jamil. *Modern Atomic and Nuclear Physics (Revised Edition): Problems and Solutions Manual*, Scope: manual. Level: graduate students and researchers. *Contemporary Physics*, 53(1):58, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2707] P. J. Bussey. *Lawless Universe: Science and the Hunt for Reality*, Scope: general interest. Level: general reader. *Contemporary Physics*, 53(1): 58–59, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2708] B. Cowan. *Thermodynamics*, by H. J. Kreuzer and Isaac Tamblyn, Scope: manual. Level: undergraduate. *Contemporary Physics*, 53(1): 59–60, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2012:FEE

[2709] Barrie W. Jones. *Formation and Evolution of Exoplanets*, edited by Rory Barnes, Scope: monograph. Level: scientist. *Contemporary Physics*, 53 (1):60–61, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2710] Manuel Vogel. *Physics of the Human Body*, by Richard P. McCall, Scope: monograph/essay. Level: undergraduate students. *Contemporary Physics*, 53(1):69, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2012:NWM

[2711] Miguel A. F. Sanjuán. *Nonlinear Wave Methods for Charge Transport*, by Luis L. Bonilla and Stephen W. Teitsworth, Scope: monograph. Level: graduate students and specialists. *Contemporary Physics*, 53(1):61–62, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Probert:2012:TPS

[2712] Matt Probert. *Thermodynamic Properties of Solids: Experiment and Modeling*, edited by Samrath L. Chaplot, Ranjan Mittal and Narayani Choudhury, Scope: review. Level: postgraduate, early career researcher,

researcher. *Contemporary Physics*, 53(1):62–63, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2713] Thomas Peters. *Advanced Mechanics and General Relativity*, by J. Franklin, Scope: textbook. Level: graduate. *Contemporary Physics*, 53 (1):63–64, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2714] R. S. MacKay. *The Dark Universe: Matter, Energy, and Gravity*, edited by Mario Livio, Scope: review. Level: general readership. *Contemporary Physics*, 53(1):64–65, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2715] S. J. Blundell. *Introduction to the Theory of Critical Phenomena: Mean Field, Fluctuations and Renormalization*, 2nd edn., by Dimo I. Uzunov, Scope: research monograph. Level: early career researcher, researcher. *Contemporary Physics*, 53(1):65–66, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lawrie:2012:CGA

[2716] Ian Lawrie. *Canonical Gravity and Applications: Cosmology, Black Holes, and Quantum Gravity*, by M. Bojowald, Scope: monograph. Level: postgraduate, early career researcher. *Contemporary Physics*, 53(1):66–67, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Senekerimyan:2012:OSB

[2717] Vahan Senekerimyan. *Optical Sensors: Basics and Applications*, by J. Haus, Scope: general interest, monograph. Level: general readership, non-specialists, undergraduates, teachers. *Contemporary Physics*, 53(1): 67, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2718] S. T. C. Siklos. *Exact Space–Times in Einstein's General Relativity*, by Jerry B. Griffiths and Jiří Podolský, Scope: reference. Level: postgraduate. *Contemporary Physics*, 53(1):67–69, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2012:FOP

[2719] K. Alan Shore. *Fiber Optics: Physics and Technology*, by Fedor Mitschke, Scope: manual. Level: advanced undergraduate and postgraduate. *Contemporary Physics*, 53(1):69–70, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2720] K. Alan Shore. *Nanoimaging*, edited by Beth A. Goins and William T. Phillips, Scope: research monograph. Level: postgraduate and beyond. *Contemporary Physics*, 53(1):70–71, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2721] Manuel Vogel. *Heliophysics: Space Storms and Radiation: Causes and Effects*, edited by C. J. Schrijver and G. L. Siscoe, Scope: monograph. Level: advanced undergraduate and above. *Contemporary Physics*, 53 (1):71, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2722] Amgad Salama. *Foundations of Environmental Physics: Understanding Energy Use and Human Impacts*, by Kyle Forinash, Scope: monograph, reference. Level: undergraduate, teacher, scientist, engineers. *Contemporary Physics*, 53(1):71–72, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2747] Mircea Dragoman. *Physics of the Universe*, by Mendel Sachs, Scope: review. Level: scientist. *Contemporary Physics*, 53(2):182, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2749] Nicholas Dimakis. *Computational Nanoscience: Applications for Molecules, Clusters, and Solids*, by Kálmán Varga and Joseph A. Driscoll, Scope: review. Level: advanced undergraduates and graduate students in computational physics, material science, and engineering. *Contemporary Physics*, 53(2):183–184, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2750] Andrew Resnick. *Recent Advances in Spectroscopy: Theoretical, Astrophysical and Experimental Perspectives*, edited by R. K. Chaudhuri, M. V. Mekkaden, A. V. Raveendran, A. Satya Narayanan, Scope: conference proceedings. Level: postgraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 53(2):184–185, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2755] Salvatore Esposito. *50 Years of Anderson Localization*, edited by Elihu Abrahams, Scope: edited book. Level: undergraduate, postgraduate, researcher, specialist. *Contemporary Physics*, 53(2):188–189, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2768] Ken Zetie. *Relativity for the Questioning Mind*, by Daniel F. Styer, Scope: general interest. Level: undergraduate. *Contemporary Physics*, 53(3):253, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2769] Xuetao Zhu. *Basic Elements of Crystallography*, by Nevill Gonzalez Szwacki and Teresa Szwacka, Scope: handbook, reference. Level: non-specialists, undergraduate, postgraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 53(3):253–254, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2777] A. H. Harker. *Nanocomputing: Computational Physics for Nanoscience and Nanotechnology*, by James J. Y. Hsu, Scope: monograph. Level: undergraduate, postgraduate. *Contemporary Physics*, 53(3):265–266, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2778] K. A. Pounds. *The Expanding Universe: Astronomy's 'Great Debate', 1900–1931*, by Robert W. Smith, Scope: general interest, monograph. Level: general readership, non-specialists. *Contemporary Physics*, 53(3): 266–267, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2779] Geoffrey Duxbury. 3*D Spectroscopy in Astronomy*, edited by E. Mediavilla, S. Arribas, M. Roth, J. Cepa-Nogué and F. Cepa-Nogué, Scope: guide. Level: researcher. *Contemporary Physics*, 53(3):267–268, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2780] Bo Reipurth. *Star Clusters: Basic Galactic Building Blocks Throughout Time and Space*, IAU S266, edited by Richard de Grijs and Jacques Lépine, Scope: conference proceedings. Level: postgraduate, early career researcher, researcher, scientist. *Contemporary Physics*, 53(3):268–269, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2781] Chris Athorne. *Solved Problems in Classical Mechanics: Analytical and Numerical Solutions with Comments*, by O. L. de Lange and J. Pierrus, Scope: review. Level: undergraduate. *Contemporary Physics*, 53 (3):269, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2782] J. Rogel-Salazar. *Stochastic Control and Mathematical Modeling: Applications in Economics*, by H. Morimoto, Scope: review. Level: advanced postgraduate or scientist. *Contemporary Physics*, 53(3):269–270, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2784] Matt Probert. *Engineering Optimisation: An Introduction with Metaheuristic Applications*, by Xin-She Yang, Scope: reference. Level:undergraduate, postgraduate, early career researcher, researcher, specialist, scientist, engineers. *Contemporary Physics*, 53(3):271–272, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2785] Peter J. Dobson. *Superlattice to Nanoelectronics*, by Raphael Tsu, Scope: reference. Level: postgraduate, early career researcher, researcher, teacher, specialist, scientist. *Contemporary Physics*, 53(3):272–273, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2787] Giovanni Volpe. *Optical Processes in Microparticles and Nanostructures*, A Festschrift, dedicated to Richard Kounai Chang on his Retirement from Yale University, edited by Ali Serpengüzel and Andrew W. Poon, Scope: review. Level: practitioners. *Contemporary Physics*, 53(3):274–275, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2789] J. M. Sykes. *The Magnesium Civilisation: An Alternative New Source of Energy to Oil*, by Takashi Yabe and Tatsuya Yamaji, Scope: gen-

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[2791] A. Freise. *Optical Metamaterials: Fundamentals and Applications*, by W. Cai and V. Shalaev, Scope: handbook, review. Level: undergraduate, postgraduate, early career researcher, researcher, specialist, scientist, engineers. *Contemporary Physics*, 53(3):278–279, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2795] D. G. Bucknall. *Functional Supramolecular Architectures: For Organic Electronics and Nanotechnology*, 2 Volume set, edited by P. Samorì and F. Cacialli, Scope: edited book. Level: postgraduate, early career researcher, researcher, specialist. *Contemporary Physics*, 53(3):281–282,

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[2797] Gerard Milburn. *Quantum Engineering: Theory and Design of Quantum Coherent Structures*, by A. M. Zagoskin, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 53(3):283–284, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2798] Peter J. Dobson. *Advances in Nanotechnology and the Environment*, edited by Juyoung Kim, Scope: review. Level: researcher, specialist and scientist. *Contemporary Physics*, 53(3):284–285, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2799] John Sykes. *Electrochemical Nanofabrication: Principles and Applications*, edited by Di Wei, Scope: edited book. Level: early career researcher, researcher, specialist and scientist. *Contemporary Physics*, 53 (3):285–286, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2801] Aniruddha Chakraborty. *Relativistic Quantum Physics: From Advanced Quantum Mechanics to Introductory Quantum Field Theory*, by Tommy Ohlsson, Scope: review. Level: undergraduate. *Contemporary Physics*, 53(3):287, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2850] Charlie Ironside. *More is Different: Fifty Years of Condensed Matter Physics*, edited by N. Phuan Ong and Ravin N. Bhatt, Scope: review. Level: researcher. *Contemporary Physics*, 53(4):389, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2851] Frank Berkshire. *Gliding for Gold: The Physics of Winter Sports*, by Mark Denny, Scope: general interest, guide, monograph. Level: general readership, non-specialists, undergraduate, teacher, scientist. *Contemporary Physics*, 53(4):389–390, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2852] Catherine M. Wykes. *Introduction to Holography*, by Vincent Toal, Scope: monograph. Level: postgraduate, advanced undergraduate, researcher. *Contemporary Physics*, 53(4):390–391, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2854] J. Rogel-Salazar. *Quantum Mechanics: Its Early Development and the Road to Entanglement and Beyond*, by E. G. Steward, Scope: general science. Level: undergraduate. *Contemporary Physics*, 53(4):392, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2857] Peter J. Bussey. *Black Holes, Wormholes and Time Machines* (2nd edition), by Jim Al-Khalili, Scope: general interest. Level: general readership. *Contemporary Physics*, 53(4):394, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2858] S. J. Blundell. *Superconductivity in New Materials*, Vol. 4, volume edited by Z. Fisk and H. R. Ott, Scope: edited book. Level: researcher. *Contemporary Physics*, 53(4):394–395, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2859] Allan I. Solomon. *Dynamical Symmetry*, by Carl E. Wulfman, Scope: textbook. Level: post-graduate. *Contemporary Physics*, 53(4):395–396,

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[2863] Peter V. E. McClintock. *What is life?*, Scope: review. Level: general reader. *Contemporary Physics*, 53(5):433–435, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2864] D. J. Miller. *You are Wrong Mr Einstein! Newton, Einstein, Heisenberg and Feynman Discussing Quantum Mechanics*, by Harald Fritzsch, Scope: general interest. Level: undergraduates and/or general readers. *Contemporary Physics*, 53(5):437–439, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2866] Marco Casazza. *Thermal Physics: Entropy and Free Energies*, 2nd edn., by Joon Chang Lee, Scope: review. Level: undergraduates, postgraduates, advanced undergraduates, early career researchers and teachers.

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[2867] Aniruddha Chakraborty. *The Physicist's World: The Story of Motion and the Limits to Knowledge*, by Thomas Grissom, Scope: review. Level: undergraduate. *Contemporary Physics*, 53(5):440–441, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2868] Christian G. Böhmer. *The Geometry of Physics: An Introduction*, 3rd edn., by Theodore Frankel, Scope: review. Level: undergraduates and graduate students, researchers. *Contemporary Physics*, 53(5):441–442, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2869] Thomas Peters. *Turbulence, Coherent Structures, Dynamical Systems and Symmetry*, 2nd edn., by P. Holmes, Scope: monograph. Level: researchers. *Contemporary Physics*, 53(5):442, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2870] P. J. Bussey. *Cosmic Anger: Abdus Salam — The First Muslim Nobel Scientist*, by Gordon Fraser, Scope: biography. Level: general readership. *Contemporary Physics*, 53(5):442–443, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2871] Manuel Vogel. *Oxford Dictionary of Astronomy*, by Ian Ridpath, Scope: reference. Level: general readership. *Contemporary Physics*, 53(5):443–444, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2872] Salvatore Esposito. *Statistical Physics of Liquids at Freezing and Beyond*, by S. P. Das, Scope: monograph. Level: postgraduate, researcher and specialist. *Contemporary Physics*, 53(5):444–445, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2873] Thomas Peters. *Advanced Solid State Physics*, 2nd edn., by P. Phillips, Scope: textbook. Level: postgraduate. *Contemporary Physics*, 53(5):

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[2874] Andrew Resnick. *Continuum Mechanics and Thermodynamics: From Fundamental Concepts to Governing Equations*, by Ellad B. Tadmor, Ronald E. Miller and Ryan S. Elliott, Scope: textbook. Level: postgraduate, advanced undergraduate, early career researcher, teacher, scientist, engineers. *Contemporary Physics*, 53(5):445–446, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2876] Andrew Resnick. *Physics for Clinical Oncology*, edited by Amen Sibtain, Scope: handbook. Level: teacher, specialist. *Contemporary Physics*, 53 (5):447, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2877] Monica Pierri-Galvao. *Neutrino*, by Frank Close, Scope: general interest. Level: general reader, undergraduate through professionals. *Contemporary Physics*, 53(5):447–448, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2878] Mark Fox. *Luminescence Spectroscopy of Semiconductors*, Ivan Pelant and Jan Valenta, Scope: textbook. Level: postgraduate. *Contemporary Physics*, 53(5):448, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2879] K. Alan Shore. *Plasmonic Nanoguides and Circuits*, edited by Sergei I. Bozhevolnyi, Scope: monograph. Level: researcher, specialist. *Contemporary Physics*, 53(5):448–449, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2880] Andrew Resnick. *Viral Nanoparticles: Tools for Materials Science and Biomedicine*, by Nicole Steinmetz and Marianne Manchester, Scope: guide, monograph, review. Level: postgraduate, advanced undergraduate, early career researcher, researcher, specialist, scientist, engineers. *Contemporary Physics*, 53(5):449, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2882] John I. B. Wilson. *Tokamaks*, 4th edn., by John Wesson, Scope: monograph. Level: postgraduate, advanced undergraduate, early career researcher, researcher, specialist, scientist, engineers. *Contemporary Physics*, 53(5):450–451, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2885] Manuel Vogel. *Accelerator Physics*, 3rd edn., by S. Y. Lee, Scope: textbook. Level: graduate students. *Contemporary Physics*, 53(5):453–454, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2886] Derry W. Jones. *More and Different: Notes from a Thoughtful Curmudgeon*, by Philip W. Anderson, Scope: biography, edited book, review. Level: general readership but parts need physics background. *Contemporary Physics*, 53(5):454–455, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2887] Peter Holland. *A History of Optics from Greek Antiquity to the Nineteenth Century*, by Olivier Darrigol, Scope: monograph. Level: Postgraduate, advanced undergraduate, early career researcher, researcher, teacher, specialist. *Contemporary Physics*, 53(5):455–456, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2888] K. Alan Shore. *Statistics for Imaging, Optics, and Photonics*, (Wiley Series in Probability and Statistics), by Peter Bajorski, Scope: monograph. Level: postgraduate and professional. *Contemporary Physics*, 53 (5):456, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2889] Peter V. E. McClintock. *Astronautics: The Physics of Space Flight*, 2nd edn., by Ulrich Walter, Scope: textbook. Level: space industry professionals, postgraduates, senior undergraduates. *Contemporary Physics*, 53(5):456–457, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2890] Thomas Peters. *Physics of the Atmosphere and Climate*, 2nd edn., by M. L. Salby, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 53(5):457–458, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2894] S. C. Tiwari. *Symmetry and geometry: pursuit of beauty in physics*, Scope: textbook/monograph. level Ph.D. students/researchers. *Contemporary Physics*, 53(6):485–490, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2896] Eric Sheldon. *The imprint of genius*, Scope: textbook. Level: postgraduate, advanced undergraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 53(6):495–498, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2897] Keith A. Benedict. *Basic Aspects of the Quantum Theory of Solids: Order and Elementary Excitations*, by Daniel I. Khomskii, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 53(6):499–500, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2899] Peter W. Milonni. *Exploring Quantum Physics through Hands-On Projects*, by D. Prutchi and S. R. Prutchi, Scope: general interest, guide, monograph. Level: pre-university, undergraduates, advanced undergraduates, teachers. *Contemporary Physics*, 53(6):501–502, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2904] Peter J. Bussey. *Quantum Physics: Illusion or Reality?*, by Alastair M. Rae, Scope: review. Level: general readership. *Contemporary Physics*, 53(6):505–506, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2905] F. W. Taylor. *Theory of Atmospheric Radiative Transfer: A Comprehensive Introduction*, by Manfred Wendisch and Ping Yang, Scope: textbook. Level: advanced undergraduate. *Contemporary Physics*, 53(6):

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[2912] Peter J. Bussey. *Albert Einstein Memorial Lectures*, by Jacob D. Bekenstein and Raphael Mechoulam. Scope: edited book. Level: non-specialists. *Contemporary Physics*, 53(6):511–512, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2913] R. S. Shorter. *The Wonders of Physics*, 3rd edn., by Andrey Varlamov and Lev Aslamazov, Scope: review. Level: general readership, non-specialists, pre-university, teachers. *Contemporary Physics*, 53(6): 512, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2914] Thomas Peters. *Introduction to Black Hole Physics*, by V. P. Frolov and A. Zelnikov, Scope: textbook. Level: postgraduate. *Contemporary Physics*, 53(6):512–513, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2915] Lionel Wilson. *The Physics of Microdroplets*, by Jean Berthier and Kenneth A. Brakke, Scope: review. Level: postgraduates, advanced undergraduates, researchers, scientists, engineers. *Contemporary Physics*, 53 (6):513–514, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2916] David J. Miller. *From Black Clouds to Black Holes*, 3rd edn., by Jayant V. Narlikar, Scope: general interest. Level: general readership, non-specialists. *Contemporary Physics*, 53(6):514–515, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2917] Chandra Wickramasinghe. *The Universe: A Challenge to the Mind*, by Jacques Vanier, Scope: general interest, textbook. Level: undergraduate. *Contemporary Physics*, 53(6):515, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2918] M. Jamil. *Nuclear Medicine Physics*, edited by J. J. De Lima, Scope: monograph. Level: graduate students and researchers. *Contemporary*

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[2919] Catherine M. Wykes. *Handbook of Surface and Nanometrology*, 2nd edn., by David J. Whitehouse, Scope: review. Level: postgraduates, advanced undergraduates, early career researchers, researchers, specialists, engineers. *Contemporary Physics*, 53(6):516–517, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2920] John I. B. Wilson. *Physics of Radio-Frequency Plasmas*, by Pascal Chabert and Nicholas Braithwaite, Scope: monograph, textbook. Level: postgraduates, early career researchers, researchers, scientists, engineers. *Contemporary Physics*, 53(6):517–519, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2921] Mario Agio. *Advances in Atomic Physics: An Overview*, by Claude Cohen-Tannoudji and David Guéry-Odelin, Scope: monograph, text book. Level: postgraduates, advanced undergraduates, early career researchers, researchers, teachers, specialists, scientists. *Contemporary Physics*, 53(6):519–520, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2922] Chandra Wickramasinghe. *Adventures in Cosmology*, by David Goodstein, Scope: edited book. Level: advanced undergraduates. *Contemporary Physics*, 53(6):520, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2924] Andrew Resnick. *Femtosecond Laser–Matter Interactions: Theory*, Experiments, and Applications, by Eugene G. Gamaly, Scope: monograph. Level: postgraduates, advanced undergraduates, early career researchers, teachers, scientists, engineers. *Contemporary Physics*, 53(6):521–522,

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[2926] David Bailin. *Perspectives on Supersymmetry II, Advanced Series on Directions in High Energy Physics: Volume 21*, edited by Gordon L. Kane, Scope: edited book. Level: researcher. *Contemporary Physics*, 53 (6):522–524, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2927] Mabrouk Benhamou. *Polymer Viscoelasticity — Basics, Molecular Theories, Experiments and Simulations*, 2nd edn, by Yn-Hwang Lin, Scope: textbook. Level: researchers. *Contemporary Physics*, 53(6):524, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2928] Manuel Vogel. *The Release of Thermonuclear Energy by Inertial Confinement: Ways Towards Ignition*, by Friedwardt Winterberg, Scope: monograph. Level: scientists, engineers. *Contemporary Physics*, 53(6): 525, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2929] David J. Miller. *Exploding Superstars: Understanding Supernovae and Gamma Ray Bursts*, by Alain Mazure and Stéphane Basa, Scope: general interest, textbook. Level: general readership, advanced undergraduates, early career researchers, scientists. *Contemporary Physics*, 53(6): 525–526, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2931] J. H. Eberly. *Stochastic Processes*, by Richard F. Bass, Scope: textbook. Level: postgraduates, researchers. *Contemporary Physics*, 53(6): 527, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2932] D. G. C. Jones. *Compound Semiconductor Photonics: Materials, Devices and Integration*, by Chua Soo-Jin, Teng Jinghua and Aaron Danner, Scope: conference proceedings. Level: researchers. *Contemporary Physics*, 53(6):527–528, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2933] David J. Miller. *The Quantum Adventure: Does God Play Dice?*, by Alex Montwill and Ann Breslin, Scope: general interest. Level: general readership, undergraduates, teachers. *Contemporary Physics*, 53(6): 528–529, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2934] Manuel Vogel. *Fluid Flows to Black Holes: A Tribute to S. Chandrasekhar on His Birth Centenary*, by D. J. Saikia and V. Trimble, Scope: biography. Level: general readership. *Contemporary Physics*, 53(6):529–530, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2935] Thomas Peters. *The Mathematical Language of Quantum Theory: From Uncertainty to Entanglement*, by T. Heinosaari and M. Ziman, Scope: textbook. Level: postgraduates. *Contemporary Physics*, 53(6):530, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2936] Michael Belsley. *Lectures on Quantum Mechanics*, 2nd edn, by Ashok Das, Scope: textbook. Level: postgraduates, advanced undergraduates. *Contemporary Physics*, 53(6):530–531, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2012:IMP

[2937] Salvatore Esposito. *Introduction to Modern Physics: Theoretical Foundations*, by John Dirk Walecka, Scope: textbook. Level: undergradu-

ates, teachers. *Contemporary Physics*, 53(6):531–532, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2012:FIP

[2938] R. S. Shorter. *The Fundamentals of Imaging: From Particles to Galaxies*, by Michael Mark Woolfson, Scope: textbook. Level: General readership, pre-university, teachers. *Contemporary Physics*, 53(6):532, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Coule:2012:QGE

[2939] David H. Coule. *Quantum Gravity*, 3rd edn, by Claus Kiefer, Scope: monograph, textbook. Level: postgraduates, early career researchers, researchers. *Contemporary Physics*, 53(6):532–533, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2941] M. F. El-Amin. *Rotating Flow*, by Peter Childs, Scope: review. Level: postgraduates, scientists, engineers. *Contemporary Physics*, 53(6):534, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2942] Aniruddha Chakraborty. *Disordered Semiconductors — Physics and Applications*, by Anatoly Popov, Scope: review. Level: advanced undergraduates. *Contemporary Physics*, 53(6):534–535, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2943] J. Rogel-Salazar. *Computational Analysis of the Human Eye with Applications*, by Sumeet Dua, Rajendra Acharya U. and E. Y. K. Ng, Scope: review. Level: postgraduates, advanced undergraduates, researchers, specialists. *Contemporary Physics*, 53(6):535–536, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2944] Peter R. Hobson. *A Student's Guide to Vectors and Tensors*, by Daniel Fleisch, Scope: textbook. Level: pre-university, undergraduates, teachers, scientists, engineers. *Contemporary Physics*, 53(6):536, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2945] Aniruddha Chakraborty. *Quantum Bio-Informatics IV: From Quantum Information to Bio-Informatics*, 1st edn, by Luigi Accardi Wolfgang Freudenberg and Masanori Ohya, Scope: review. Level: researchers in quantum information, bio-informatics and life science. *Contemporary Physics*, 53(6):537, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2946] Nikolaos E. Myridis. *Semiconductor Quantum Bits*, edited by F. Henneberger and O. Benson, Scope: edited book. Level: researchers, theorists, postgraduate students. *Contemporary Physics*, 53(6):537–538, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2947] Allan I. Solomon. *Supersymmetric Quantum Mechanics: An Introduction*, by A. Gangopadhyaya, J. V. Mallow and C. Rasinariu, Scope: textbook. Level: postgraduate, advanced undergraduate. *Contemporary Physics*, 53(6):538–539, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chakraborty:2012:TQY

[2948] Aniruddha Chakraborty. *The Thermodynamics of Quantum Yang–Mills Theory: Theory And Applications*, by Ralf Hofmann, Scope: review. Level: researchers. *Contemporary Physics*, 53(6):539, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2949] Mario Bertolotti. *Atoms in Intense Laser Fields*, by C. J. Joachain, N. J. Kylstra and R. M. Potvliege, Scope: monograph. Level: postgraduate, researcher, scientist. *Contemporary Physics*, 53(6):539–540, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2950] Gerard Milburn. *Essentials of Hamiltonian Dynamics*, by J. H. Lowenstein, Scope: textbook. Level: postgraduate, advanced undergraduate. *Contemporary Physics*, 53(6):541, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2951] Allan I. Solomon. *A Brief Tour of Modern Quantum Mechanics*, by Moshe Gitterman, Scope: textbook. Level: postgraduate, advanced undergraduate. *Contemporary Physics*, 53(6):541–542, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2952] Allan I. Solomon. *Classical Mechanics*, 5th edn., by Tom W. B. Kibble and Frank H. Berkshire, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 53(6):542–543, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2953] Suresh Chandra Tiwari. *The Supersymmetric Dirac Equation: The Application to Hydrogenic Atoms*, by Allen Hirshfeld, Scope: textbook. Level: undergraduates. *Contemporary Physics*, 53(6):543–544, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2954] Peter R. Hobson. *Principles of Radiation Interaction in Matter and Detection*, 3rd edn., by Claude Leroy and Pier-Giorgio Rancoita, Scope: monograph, reference. Level: postgraduates, early career researchers, researchers, specialists, scientists, engineers. *Contemporary Physics*, 53 (6):544, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2955] David Bucknall. *Introduction to the Theory of Thermal Neutron Scattering*, 3rd edn., by G. L. Squires, Scope: textbook. Level: early career researchers, researchers, specialists, scientists. *Contemporary Physics*, 53 (6):544–545, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2956] Manuel Vogel. *Fundamentals of Numerical Weather Prediction*, by Jean Coiffier, Scope: monograph. Level: advanced undergraduate students.

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[2957] Manuel Vogel. *A Philosophical Guide to Chance*, by T. Handfield, Scope: monograph. Level: general readership. *Contemporary Physics*, 53(6): 546–547, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anonymous:2012:EB

[2958] Anonymous. Editorial board. *Contemporary Physics*, 53(6):ebi, 2012. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2959] Louis Lyons. Bayes and frequentism: a particle physicist's perspective. *Contemporary Physics*, 54(1):1–16, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2960] Christophe Schinckus. Introduction to econophysics: towards a new step in the evolution of physical sciences. *Contemporary Physics*, 54(1):17–32, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2961] A. G. Green. An introduction to gauge-gravity duality and its application in condensed matter. *Contemporary Physics*, 54(1):33–48, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2962] D. G. C. Jones. Many worlds make hard work. *Contemporary Physics*, 54 (1):49–51, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2963] Geoffrey Duxbury. Reinventing molecular spectroscopy. *Contemporary Physics*, 54(1):52–54, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[2964] Chandra Wickramasinghe. *Cosmic Paradoxes*, by Julio A. Gonzalo, Scope: general interest. Level: non-specialists. *Contemporary Physics*,

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[3004] G. W. Gibbons. *The Birth of String Theory*, edited by Andrea Cappelli, Elena Castellani, Filippo Colomo and Paolo Di Vecchia, Scope: review. Level: general readers, postgraduates,researchers. *Contemporary Physics*, 54(1):86–87, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3017] Peter J. Bussey. *Reminiscences: A Journey Through Particle Physics*, by Adrian Melissinos, Scope: biography. Level: postgraduate, researcher.

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[3018] Dawn E. Leslie. *Stars: A Very Short Introduction*, by Andrew King, Scope: guide, general interest. Level: general readers, non-specialists, pre-undergraduate, undergraduate, teacher. *Contemporary Physics*, 54 (2):109, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3025] Juan A. Añel. *Fundamentals of Geophysical Fluid Dynamics*, by James C. McWilliams, Scope: textbook. Level: undergraduate students. *Contemporary Physics*, 54(2):114–115, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3028] J. Rogel-Salazar. *Advances in Thin-Film Solar Cells*, by I. M. Dharmadasa, Scope: textbook. Level: undergraduate, postgraduate. *Contemporary Physics*, 54(2):117, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3029] S. J. Blundell. *Correlated Electrons in Quantum Matter*, by Peter Fulde, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 54(2): 117–118, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3034] Tom Lancaster. *Do We Really Understand Quantum Mechanics?*, by Franck Laloë, Scope: monograph. Level: advanced undergraduate to specialist. *Contemporary Physics*, 54(2):121–122, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3035] Marco Casazza. *The Weather Observer's Handbook*, by Stephen Burt, Scope: handbook, manual, textbook. Level: general readership, non-specialists, pre-university, undergraduate, postgraduate, advanced undergraduate, early career researcher, researcher, teacher, specialist, scientist. engineers. *Contemporary Physics*, 54(2):122–123, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3037] Peter J. Bussey. *Relativity Made Relatively Easy*, by Andrew M. Steane, Scope: textbook. Level: postgraduate. advanced undergraduate. *Contemporary Physics*, 54(2):124, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3041] Manuel Vogel. *The Theory of Probability*, by Santosh S. Venkatesh, Scope: text book. Level: advanced undergraduate. *Contemporary Physics*, 54(2):127, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3042] Manuel Vogel. *Why You Hear What You Hear*, Eric J. Heller, Scope: general interest, monograph. Level: general readership. *Contemporary Physics*, 54(2):127–128, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3043] B. Ishak. *A General Relativity Workbook*, by T. A. Moore, Scope: textbook. Level: advanced undergraduates, lecturers. *Contemporary Physics*, 54(2):128–129, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3044] B. Ishak. *Illustrating the Phaenomena: Celestial Cartography in Antiquity and the Middle Ages*, by E. Dekker, Scope: monograph. Level: specialists. *Contemporary Physics*, 54(2):129–130, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3048] R. S. Shorter. *Niels Bohr and the Quantum Atom: The Bohr Model of Atomic Structure 1913–1925*, by Helge Kragh, Scope: biography, general interest. Level: general readership. *Contemporary Physics*, 54(2): 133, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3049] Mark Nicol. *Measuring the Universe: A Multiwavelength Perspective*, by George H. Rieke, Scope: review. Level: postgraduate, advanced undergraduate, scientist, engineers. *Contemporary Physics*, 54(2):133–134,

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[3050] Nikolaos Kourkoumelis. *Modern Diffraction Methods*, edited by E. J. Mittemeijer and U. Welzel, Scope: edited book, handbook. Level: postgraduate, early career researcher, researcher, specialist, scientist, engineers. *Contemporary Physics*, 54(2):134–135, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3051] Mabrouk Benhamou. *Advances in Carbon Nanomaterials: Science and Applications*, by Nikos Tagmatarchis, Scope: edited book. Level: researchers. *Contemporary Physics*, 54(2):135–136, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3052] Robert Appleby. *Accelerator Physics: Example Problems with Solutions*, by William W. MacKay and Mario Conte, Scope: review. Level: undergraduate, postgraduate, advanced undergraduate, early career researcher, researcher. *Contemporary Physics*, 54(2):136, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3054] Peter R. Hobson. *LHC Physics*, edited by T. Binoth, C. Buttar, P. J. Clark and E. W. N. Glover, Scope: conference proceedings. Level: postgraduate, early career researcher. *Contemporary Physics*, 54(2):137–138, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3058] Peter R. T. Munro. *Principles of Diffuse Light Propagation: Light Propagation in Tissues with Applications in Biology and Medicine*, by Jorge Ripoll Lorenzo, Scope: textbook. Level: postgraduate and specialist. *Contemporary Physics*, 54(2):139–140, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3059] K. Alan Shore. *Nanofabrication Using Focused Ion and Electron Beams: Principles and Applications*, edited by Ivo Utke, Stanisislav Moshkalev and Phillip Russell, Scope: monograph. Level: researcher. *Contemporary Physics*, 54(2):140–141, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3062] Andrew Resnick. *Biomedical Nanosensors*, edited by Joseph Irudayaraj, Scope: edited book, reference, review. Level: postgraduate, advanced undergraduate, early career researcher, researcher, scientist, engineers.

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[3064] Miguel A. F. Sanjuán. *Thermal Physics: Concepts and Practice*, by Allen L. Wasserman, Scope: textbook. Level: advanced undergraduate, graduate students, lecturers. *Contemporary Physics*, 54(3):170–171, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3065] Lampros Nikolopoulos. *Quantum Control of Molecular Processes*, (Second, Revised and Enlarged Edition), by M. Shapiro and P. Brumer, Scope: review. Level: postgraduate, advanced undergraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 54(3):171–172, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3066] Andrew Resnick. *The Cambridge Photographic Moon Atlas*, by Alan Chu, Wolfgang Paech, Mario Weigand, translated by Storm Dunlop, Scope: general interest. Level: general readership, non-specialists, preuniversity, undergraduate, advanced undergraduate, teacher. *Contemporary Physics*, 54(3):172, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3068] Manuel Vogel. *Essentials of Heat Transfer: Principles, Materials, and Applications*, by Massoud Kaviany, Scope: textbook. Level: undergrad-

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[3069] Manuel Vogel. *Fundamentals of Astrometry*, by Jean Kovalevsky and P. Kenneth Seidelmann, Scope: monograph. Level: undergraduates and above. *Contemporary Physics*, 54(3):174–175, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3070] Thomas Peters. *Self-Organised Criticality: Theory, Models and Characterisation*, by Gunnar Pruessner, Scope: monograph. Level: researcher. *Contemporary Physics*, 54(3):175, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3071] Tom Lancaster. *Einstein's Physics: Atoms, Quanta, and Relativity — Derived, Explained, and Appraised*, by Ta-Pei Cheng, Scope: monograph. Level: researcher. *Contemporary Physics*, 54(3):175–176, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3073] David Bailin. *Group Theory for High Energy Physicists*, by Mohammad Saleem and Muhammad Rafique, Scope: textbook. Level: advanced undergraduate, postgraduate. *Contemporary Physics*, 54(3):177–178, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3074] B. Ishak. *Neutrino Cosmology*, by J. Lesgourgues, G. Mangano, G. Miele and S. Pastor, Scope: monograph. Level: early career researcher, researcher, specialist. *Contemporary Physics*, 54(3):178–179, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3075] R. Ellis. *Binary Paths to Type Ia Supernovae Explosions*, edited by Rosanne Di Stefano, Marina Orio and Maxwell Moe, Scope: conference

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[3076] Charles Downing. *Advanced Quantum Mechanics: A Practical Guide*, by Yuli V. Nazarov and Jeroen Danon, Scope: textbook. Level: postgraduate. *Contemporary Physics*, 54(3):180, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3077] S. F. Huelga and M. B. Plenio. Vibrations, quanta and biology. *Contemporary Physics*, 54(4):181–207, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3078] David J. Miller. Essay review: The anatomy of a paradigm-shift. *The Continental Drift Controversy*, by Henry R. Frankel. ISBN 978-0-521-87507-3. Scope: monograph. Level: accessible and useful to all levels of reader, from general interest to specialist. *Contemporary Physics*, 54(4): 208–210, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3079] David Bailin. *Quantum Field Theories in Two Dimensions: Collected Works of Alexei Zamolodchikov (in 2 Volumes)*, edited by Alexander Belavin, Yaroslav Pugai and Alexander Zamolodchikov, Scope: edited book. Level: researcher. *Contemporary Physics*, 54(4):211–212, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3080] Angie Ma. *Biophysics: Searching for Principles*, by William Bialek, Scope: textbook. Level: postgraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 54(4):212–213, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3081] B. Ishak. *The First Galaxies in the Universe*, by Abraham Loeb and Steven R. Furlanetto, Scope: textbook. Level: advanced undergraduate, postgraduate, early career researcher, specialist. *Contemporary Physics*, 54(4):213–214, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3082] Manuel Vogel. *Astrometry for Astrophysics: Methods, Models, and Applications*, edited by William F. van Altena, Scope: edited book. Level: undergraduate, advanced undergraduate. *Contemporary Physics*, 54(4): 214, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3083] Mark Fox. *The Handbook on Optical Constants of Metals: In Tables and Figures & The Handbook on Optical Constants of Semiconductors: In Tables and Figures*, by Sadao Adachi, Scope: reference. Level: researcher. *Contemporary Physics*, 54(4):215, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3084] Nikolaos E. Myridis. *Artificial Human Sensors: Science and Applications*, by Peter Wide, Scope: monograph. Level: general readership, advanced undergraduate, postgraduate,researcher, teacher, engineers. *Contemporary Physics*, 54(4):215–216, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3085] Manuel Vogel. *Our Magnetic Earth: The Science of Geomagnetism*, by Ronald T. Merrill, Scope: monograph. Level: general readership. *Contemporary Physics*, 54(4):216–217, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3086] Matt Probert. *The Transactional Interpretation of Quantum Mechanics: The Reality of Possibility*, by Ruth E. Kastner, Scope: reference. Level: specialist. *Contemporary Physics*, 54(4):217–218, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3087] S. C. Tiwari. *The Angular Momentum of Light*, by D. L. Andrews and M. Babiker, Scope: reference, edited book. Level: advanced undergraduate, researcher,teacher, specialist. *Contemporary Physics*, 54(4):218–219, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3088] Derry W. Jones. *The Long Road to Stockholm, The Story of MRI: An Autobiography*, by Peter Mansfield, Scope: autobiography. Level: scientist, general reader. *Contemporary Physics*, 54(4):219–220, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3089] Peter J. Bussey. *Quantum Concepts in Physics: An Alternative Approach to the Understanding of Quantum Mechanics*, by Malcolm Longair, Scope: textbook. Level: teacher, specialist. *Contemporary Physics*, 54(4):220–221, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3090] Thomas Peters. *Nonequilibrium Many-Body Theory of Quantum Systems: A Modern Introduction*, by G. Stefanucci and R. van Leeuwen, Scope: textbook. Level: postgraduate. *Contemporary Physics*, 54(4): 221, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3091] Peter J. Bussey. *The Oxford Handbook of Philosophy of Physics*, edited by R. Batterman, Scope: review, edited book. Level: postgraduate, researcher, specialist, scientist. *Contemporary Physics*, 54(4):221–223, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3092] Joseph Eberly. *Review of Modern Physics*, by Paul A. Tipler and Ralph A. Llewellyn, Scope: reference, textbook. Level: undergraduate, advanced undergraduate, teacher. *Contemporary Physics*, 54(4):223–224, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3093] Robert D. Joseph. *Isaac Newton's Scientific Method: Turning Data into Evidence about Gravity and Cosmology*, by William L. Harper. Scope: review. Level: specialist. *Contemporary Physics*, 54(4):224–225, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Quenby:2013:RJA

[3094] John Quenby. *Relativistic Jets from Active Galactic Nuclei*, edited by M. Boetttcher, D. E. Harris, and H. Krawczynski, Scope: monograph. Level: postgraduate, early career researcher, researcher, specialist. *Contemporary Physics*, 54(4):225–226, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3095] Marco Casazza. *Synergetic Agents*, by Hermann Haken and Paul Levi, Scope: reference, monograph, manual, textbook. Level: non-specialists, postgraduate, early career researcher, researcher, teacher, specialist, scientist. *Contemporary Physics*, 54(4):226–227, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Salama:2013:CME

[3096] Amgad Salama. *Continuum Mechanics in the Earth Sciences*, by William I. Newman, Scope: textbook. Level: advanced undergraduate. *Contemporary Physics*, 54(4):227, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3097] Mabrouk Benhamou. *Theory of Intermolecular Forces*, by Anthony Stone, Scope: textbook. Level: postgraduate, researcher. *Contemporary Physics*, 54(4):227–228, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3098] D. C. Barber. *Correction Techniques in Emission Tomography*, edited by Mohammad Dawood, Xiaoyi Jiang and Klaus Schäfers, Scope: review. Level: postgraduate, early career researcher, specialist. *Contemporary Physics*, 54(4):228–229, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3099] M. Jamil. *Fusion, the Energy of the Universe*, by Garry McCracken and Peter Stott, Scope: monograph. Level: postgraduate, advanced undergraduate,early career researcher, researcher. *Contemporary Physics*, 54 (4):229–230, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Matravers:2013:BPM

[3100] David R. Matravers. *The Ballet of the Planets: A Mathematician's Musings on the Elegance of Planetary Motion*, by Donald C. Benson, Scope: general interest. Level: pre-university, undergraduate. *Contemporary Physics*, 54(4):230–231, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3101] K. C. Yung, W. M. Wu, M. P. Pierpoint, and F. V. Kusmartsev. Introduction to graphene electronics — a new era of digital transistors and devices. *Contemporary Physics*, 54(5):233–251, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dombey:2013:ERO

[3102] Norman Dombey. Essay review: Oppenheimer, the bomb and beyond, Scope: biography. Level: general readership [Review of *Inside the Centre: The Life of J. Robert Oppenheimer*, by Ray Monk, London, Jonathon Cape, 2012, 818 pp., £30.00 (hardback), ISBN 978-0-224-06262-6]. *Contemporary Physics*, 54(5):252–253, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3103] Philip Phillips. *The Physics of Dilute Magnetic Alloys*, by Jun Kondo, translated by Shigeru Koikegami, Kosuke Odagiri, Kunihiko Yamaji and Takashi Yanagisawa, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 54(5):254, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2013:BPE

[3104] Peter J. Dobson. *Biomimetics in Photonics*, edited by Olaf Karthaus, Scope: review. Level: general readership, non-specialists, undergraduate, postgraduate, scientist. *Contemporary Physics*, 54(5):254–255, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Fox:2013:PGO

[3105] Mark Fox. *A Practical Guide to Optical Metrology for Thin Films*, by Michael Quinten, Scope: monograph. Level: postgraduate. *Contemporary Physics*, 54(5):255, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pounds:2013:TSS

[3106] Ken Pounds. *Time, Space, Stars and Man: The Story of the Big Bang*, by Michael M. Woolfson. Scope: review. Level: general readership. *Contemporary Physics*, 54(5):255–256, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Berkshire:2013:IPW

[3107] Frank Berkshire. *Introduction to the Physics of Waves*, by Tim Freegarde, Scope: textbook. Level: general readership, undergraduate, advanced undergraduate, postgraduate, early career researcher, teacher. *Contemporary Physics*, 54(5):256–257, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3108] S. W. Lovesey. *A Modern Course in the Quantum Theory of Solids*, edited by Fuxiang Han, Scope: review. Level: postgraduate. *Contemporary Physics*, 54(5):257, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3109] J. Rogel-Salazar. *Introduction to Mathematical Physics: Methods and Concepts*, 2nd edn., by Chun Wa Wong, Scope: review. Level: undergraduate. *Contemporary Physics*, 54(5):257–258, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3110] Manuel Vogel. *Modern Physics: An Introductory Text*, by Jeremy I. Pfeffer and Shlomo Nir, Scope: monograph. Level: undergraduate. *Contemporary Physics*, 54(5):258–259, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anel:2013:TPI

[3111] Juan A. Añel. *Turing: Pioneer of the Information Age*, by B. Jack Copeland, Scope: general interest. Level: general reader. *Contemporary Physics*, 54(5):259, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3112] Robert Appleby. *Measurement Uncertainty and Probability*, by Robin Willink, Scope: textbook. Level: specialist. *Contemporary Physics*, 54 (5):259–260, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2013:AAE

[3113] B. Ishak and J. McFarland. *Astrophysics from Antarctica*, edited by Michael G. Burton, Xiangqun Cui and Nicholas F. H. Tothill, Scope: wide-ranging review. Level: postgraduates and specialists. *Contemporary Physics*, 54(5):260–261, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3114] S. W. Lovesey. *Exploring Quantum Mechanics: A Collection of 700+ Solved Problems for Students, Lecturers, and Researchers*, by Victor Galitski, Boris Karnakov, Vladimir Kogan, and Victor Galitski, Jr., Scope: textbook. Level: advanced undergraduate. *Contemporary Physics*, 54 (5):261, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Belsley:2013:EME

[3115] Michael Belsley. *Electricity and Magnetism*, by Edward M. Purcell and David J. Morin, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 54(5):261–262, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bucknall:2013:EOP

[3116] David Bucknall. *Electronic and Optical Properties of Conjugated Polymers*, 2nd edn., International Series of Monographs on Physics 159, by William Barford, Scope: review. Level: postgraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 54(5): 262–263, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Greenland:2013:TPR

[3117] P. T. Greenland. *Terahertz Physics*, by R. A. Lewis, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 54(5):263, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2013:CME

[3118] A. H. Harker. *Computational Methods for Electromagnetic Phenomena: Electrostatics in Solvation, Scattering and Electron Transport*, by Cai Wei, Scope: monograph. Level: postgraduate, researcher. *Contemporary Physics*, 54(5):263–264, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2013:EMP

[3119] Andrew Resnick. *Encyclopaedia of Medical Physics* (2 Volume Set), edited by Slavik Tabakov, Franco Milano, Sven-Erik Strand, Cornelius Lewis and Perry Sprawls, Scope: reference, encyclopedia. Level: advanced undergraduate, postgraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 54(5): 264–265, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jones:2013:RVS

[3120] Derry W. Jones. *Radioactivity: A Very Short Introduction*, by Claudio Tuniz, Scope: general interest. Level: general reader, preferably with physical science background. *Contemporary Physics*, 54(5):265–266, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Leggett:2013:RTC

[3121] A. J. Leggett. *Revolutions in Twentieth-Century Physics*, by David J. Griffiths, Scope: general interest. Level: general readership, non-specialists, pre-university. *Contemporary Physics*, 54(5):266, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3122] David L. Andrews. *Light–Matter Interaction: Physics and Engineering at the Nanoscale*, by John Weiner and Frederico Nunes, Scope: textbook. Level: undergraduate, advanced undergraduate, scientist, engineers. *Contemporary Physics*, 54(5):267–268, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3123] William T. Coffey. *Path Integrals for Stochastic Processes: An Introduction*, by Horacio S. Wio, Scope: textbook. Level: advanced undergraduate, postgraduate. *Contemporary Physics*, 54(5):268, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3124] S. J. Blundell. *Field Theories of Condensed Matter Physics*, 2nd edn., by Eduardo Fradkin, Scope: monograph. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 54(5):268–269, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3125] H. Osborn. *An Introduction to Non-Perturbative Foundations of Quantum Field Theory*, by Franco Strocchi, Scope: monograph. Level: scientist. *Contemporary Physics*, 54(5):269, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Holland:2013:GTG

[3126] Peter Holland. *Gauge Theories of Gravitation: A Reader with Commentaries*, edited by Milutin Blagojević and Friedrich W. Hehl, Scope: edited book, reference, review. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 54(5):269–270, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Probert:2013:ACS

[3127] Matt Probert. *Atomistic Computer Simulations: A Practical Guide*, by V. Brázdová and D. R. Bowler, Scope: reference. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 54(5): 270–271, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3137] Francisco Caruso. *On Space and Time*, Scope: edited book. Level: general readership, non-specialists, pre-university, undergraduate, advanced

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[3139] Salvatore Esposito. *Order and Disorder: Science Essentials for the Non-Scientist*, by Myron Kaufman, Scope: general interest. Level: general readership, teacher. *Contemporary Physics*, 54(6):296–297, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3140] Peter R. T. Munro. *Computational Photonics: An Introduction With MATLAB*, by Marek S. Wartak, Scope: textbook. Level: undergraduate, postgraduate, practising scientists and engineers. *Contemporary Physics*, 54(6):297, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3141] K. Alan Shore. *Silicon Photonics: Fundamentals and Devices*, by M. Jamal Deen and P. K. Basu, Scope: textbook. Level: postgraduate, early career researcher, researcher, teacher. *Contemporary Physics*, 54(6):297–298, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3142] Aniruddha Chakraborty. *Simple Models of Magnetism*, Oxford Graduate Texts, by Ralph Skomski, Scope: review. Level: advanced undergraduate. *Contemporary Physics*, 54(6):298–299, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3143] Prashant Khare. *Ten Chapters in Turbulence*, edited by Peter A. Davidson, Yukio Kaneda and Katepalli R. Sreenivasan, Scope: edited book, reference, review. Level: postgraduate, early career researcher, researcher, scientist. *Contemporary Physics*, 54(6):299–300, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3147] Edmund Tarleton. *Dislocations, Mesoscale Simulations and Plastic Flow*, Oxford Series on Materials Modelling 5, by Ladislas Kubin, Scope: textbook. Level: postgraduate, researcher. *Contemporary Physics*, 54(6): 302–303, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3148] K. Alan Shore. *Electromechanics and MEMS*, by Thomas B. Jones and Nenad G. Nenadic, Scope: textbook. Level: postgraduate, advanced undergraduate, early career researcher, researcher, teacher, specialist. *Contemporary Physics*, 54(6):303, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3149] Richard Shorter. *TESLA: Inventor of the Electrical Age*, by W. Bernard Carlson, Scope: biography. Level: general readership. *Contemporary Physics*, 54(6):303–304, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3150] Aniruddha Chakraborty. *The Wonderful World of Relativity: A Precise Guide for the General Reader*, by Andrew M. Steane, Scope: review.

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[3151] Richard Shorter. *Night Vision: Exploring the Infrared Universe*, by Michael Rowan-Robinson, Scope: general interest, textbook. Level: general readership, advanced undergraduate, teacher. *Contemporary Physics*, 54(6):304–305, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3153] Manuel Vogel. *Gravitation and Spacetime*, 3rd edn., by Hans C. Ohanian and Remo Ruffini, Scope: textbook. Level: advanced undergraduate. *Contemporary Physics*, 54(6):306, 2013. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3163] D. G. C. Jones. *Nature Loves to Hide: Quantum Physics and the Nature of Reality*, a Western Perspective (Revised Edition), by Shimon Malin, Scope: review. Level: non-specialists, undergraduate. *Contemporary Physics*, 55(1):47, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3164] K. P. Zetie. *Time Travel and Warp Drives: A Scientific Guide to Shortcuts through Time and Space*, by Allen Everett and Thomas Roman, Scope: general interest. Level: undergraduate, pre-university, teacher, scientist. *Contemporary Physics*, 55(1):47–48, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3165] Mark Fox. *Generalised Optomechanics and its Applications: Quantum Optical Properties of Generalised Optomechanical System*, by Jin-Jin Li and Ka-Di Zhu, Scope: monograph. Level: researcher. *Contemporary Physics*, 55(1):48, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3166] Thomas Peters. *Modern Electrodynamics*, by Andrew Zangwill, Scope: textbook. Level: postgraduate. *Contemporary Physics*, 55(1):49, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3167] Peter J. Bussey. *A Physicist's View of Matter and Mind*, by Chandre Dharma-wardana, Scope: general interest. Level: scientist. *Contemporary Physics*, 55(1):49–50, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3168] Richard Ellis. *The Cosmic Century: A History of Astrophysics and Cosmology*, by Malcolm S. Longair, Scope: monograph, reference, review. Level: postgraduate, advanced undergraduate, early career researcher, researcher, teacher. *Contemporary Physics*, 55(1):50–51, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3169] Tom Lancaster. *Polarons*, by David Emin, Scope: monograph. Level: postgraduate, researcher. *Contemporary Physics*, 55(1):51, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3170] Manuel Vogel. *Physical Mathematics*, by Kevin Cahill, Scope: reference, text book. Level: advanced undergraduate, researcher. *Contemporary Physics*, 55(1):51–52, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3171] Peter J. Bussey. *100 Years of Subatomic Physics*, edited by Ernest M. Henley and Stephen D. Ellis, Scope: edited book. Level: specialist. *Contemporary Physics*, 55(1):52–53, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3172] Andrew Resnick. *Mathematical Topics in Fluid Mechanics — Volumes 1 & 2*, by Pierre-Louis Lions, Scope: monograph, review. Level: postgraduate, researcher, specialist, scientist. *Contemporary Physics*, 55(1): 53, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3176] David A. Burton and Adam Noble. Aspects of electromagnetic radiation reaction in strong fields. *Contemporary Physics*, 55(2):110–121, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2014:UNR

[3177] A. H. Harker. *Understanding the Nanotechnology Revolution*, by Edward L. Wolf and Manasa Medikonda, Scope: general interest. Level: general readership. *Contemporary Physics*, 55(2):122, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Virmani:2014:ISM

[3178] S. Virmani. *An Introduction to Statistical Mechanics and Thermodynamics*, by Robert H. Swendsen, Scope: text book. Level: non-specialists. undergraduate. postgraduate. advanced undergraduate. teacher. scientist. engineers. *Contemporary Physics*, 55(2):122–123, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3179] Peter J. Dobson. *Optochemical Nanosensors*, edited by Andrea Cusano, Francisco J. Arregui, Michele Giordano and Antonello Cutolo, Scope: monograph, reference. Level: postgraduate, early career researcher, researcher, specialist, scientist, engineers. *Contemporary Physics*, 55(2): 123–124, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Belsley:2014:IQI

[3180] Michael Belsley. *Introduction to Quantum Information Science*, by Vlatko Vedral, Scope: text book. Level: advanced undergraduate, postgraduate, early career researcher. *Contemporary Physics*, 55(2):124–125, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2014:CMP

[3181] A. H. Harker. *Computational Methods for Physics*, by Joel Franklin, Scope: text book. Level: undergraduate. *Contemporary Physics*, 55(2): 125, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3182] Peter V. E. McClintock. *Space, Time, & Stuff*, by Frank Arntzenius, Scope: monograph. Level: postgraduate students, researchers. *Contemporary Physics*, 55(2):126, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3183] J. Rogel-Salazar. *Modern Statistical Methods for Astronomy With R Applications*, by Eric D. Feigelson and G. Jogesh Babu, Scope: reference. Level: advanced undergraduate, graduate, specialised. *Contemporary Physics*, 55(2):126–127, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Huan:2014:SCE

[3184] Chao Huan. *Spin Current*, edited by Sadamichi Maekawa, Sergio O. Valenzuela, Eiji Saitoh, and Takashi Kimura, Scope: monograph, review. Level: postgraduate, advanced undergraduate, early career researcher, researcher, teacher, specialist, scientist. *Contemporary Physics*, 55(2): 127–128, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stewart:2014:INR

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McClintock:2014:SBD

[3186] Peter V. E. McClintock. *Simple Brownian Diffusion*, by Daniel Thomas Gillespie and Effrosyni Seitaridou, Scope: textbook. Level: senior undergraduate students, postgraduates, researchers. *Contemporary Physics*, 55(2):129, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2014:NSV

[3187] Peter V. E. McClintock. *Novel Superfluids: Vol. 1*, edited by K. H. Bennemann and J. B. Ketterson, Scope: monograph. Level: postgraduate students, researchers. *Contemporary Physics*, 55(2):130–132, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2014:SDA

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McOrist:2014:GTM

[3189] Jock McOrist. *Geometric and Topological Methods for Quantum Field Theory*, edited by Alexander Cardona, Iván Contreras and Andrés F. Reyes-Lega, Scope: conference proceedings, review. Level: postgraduate student, early career researcher, researcher. *Contemporary Physics*, 55 (2):133, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2014:FQG

[3190] B. Ishak. *Foundations of Quantum Gravity*, by James Lindesay, Scope: textbook. level: specialist. *Contemporary Physics*, 55(2):134, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Stewart:2014:AGR

[3191] John M. Stewart. *Advanced General Relativity: Gravity Waves, Spinning Particles and Black Holes*, by Claude Barrabès and Peter A. Hogan, Scope: textbook, review. Level: advanced undergraduate, postgraduate,

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Esposito:2014:HOG

[3192] Salvatore Esposito. *Herschel 400 Observing Guide*, by Stephen James O'Meara, Scope: general interest. Level: general readership. *Contemporary Physics*, 55(2):135, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3193] C. A. Downing. *Foundation Mathematics for the Physical Sciences*, by K. F. Riley and M. P. Hobson, Scope: textbook, solution manual. Level: first year undergraduate. *Contemporary Physics*, 55(2):136, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2014:NEC

[3194] Peter J. Dobson. *Nanotechnology for the Energy Challenge*, edited by Javier Garcia-Martinez, Scope: monograph, reference, review. Level: undergraduate, postgraduate, advanced undergraduate, early career researcher, researcher, specialist, scientist, engineers. *Contemporary Physics*, 55(2):136–137, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3196] D. W. Jones. *Uncorked: The Science of Champagne*, Revised ed. by Gerard Liger-Belair, Scope: general interest, monograph. Level: postgraduate, advanced undergraduate, researcher, scientist. *Contemporary Physics*, 55(2):138–139, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3197] Eric Sheldon. *Behind the Scenes of the Universe: From the Higgs to Dark Matter*, by Gianfranco Bertone. Scope: popular survey, general interest. Level: general readership, undergraduate, teacher, scientist. *Contemporary Physics*, 55(2):139–140, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sambles:2014:TLE

[3198] J. R. Sambles. *Transmission Lines: Equivalent Circuits, Electromagnetic Theory and Photons*, by Richard Collier, Scope: review. Level: undergraduates. *Contemporary Physics*, 55(2):140–141, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Appleby:2014:OWI

[3199] Rob Appleby. *Oscillations and Waves: An Introduction*, by Richard Fitzpatrick, Scope: textbook. Level: undergraduate. *Contemporary Physics*, 55(2):141, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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Barber:2014:WPM

[3201] D. C. Barber. *Webb's Physics of Medical Imaging*, (Second Edition), edited by M. Flower, Scope: textbook, review. Level: postgraduate, early career researcher, researcher, scientist. *Contemporary Physics*, 55(2): 142–143, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3202] S. W. Lovesey. *Complex Dynamics of Glass-forming Liquids: A Mode-coupling Theory*, by Wolfgang Götze, Scope: review. Level: general readership. *Contemporary Physics*, 55(2):143–144, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2014:CMO

[3203] Mario Bertolotti. *Cosmic Masers — From OH to Ho (IAU S287)*, edited by Roy S. Booth, Wouter H. T. Vlemmings and Elizabeth M. L. Humphreys. Scope: edited book. Level: specialist. *Contemporary Physics*, 55(2):144–145, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3204] Peter R. Hobson. *Imaging Gaseous Detectors and their Applications*, by Eugenio Nappi and Vladimir Peskov, Scope: monograph. Level: post-

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[3205] Peter Holland. *Physical Foundations of Continuum Mechanics*, by A. Ian Murdoch, Scope: monograph. Level: postgraduate, early career researcher, researcher, specialist, scientist, engineers. *Contemporary Physics*, 55(2):145–146, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2014:NPE

[3206] D. J. Miller. *Nuclear Physics: Exploring the Heart of Matter*, by National Research Council, Scope: report, review. Level: administrators of nuclear physics research programmes, politicians, interested non-experts, physics students looking for an overview, postgraduate, researcher. *Contemporary Physics*, 55(2):146–147, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3207] Geoffrey Duxbury. *Laser-Based Measurements for Time and Frequency Domain Applications: A Handbook*, by Pasquale Maddaloni, Marco Bellini, and Paolo De Natale, Scope: monograph, reference, review. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 55(2):147–148, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3208] David J. Miller. *Handbook of Accelerator Physics and Engineering*, 2nd edition, by Alexander Wu Chao, Karl Hubert Mes, Maury Tigner and Frank Zimmermann, Scope: handbook. Level: postgraduate, researcher. *Contemporary Physics*, 55(2):148, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3209] S. J. Blundell Professor. *Frustrated Spin Systems*, (2nd ed.), edited by H. T. Diep, Scope: monograph. Level: researcher. *Contemporary Physics*, 55(2):148–149, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3210] Lachlan Marnham. *Quantum Information Theory and the Foundations of Quantum Mechanics*, by Christopher G. Timpson, Scope: review,

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[3214] S. J. Blundell Professor. *Statistical Mechanics of Magnetic Excitations*, From Spin Waves to Stripes and Checkerboards, by Enrico Rastelli, Scope: textbook. Level: postgraduate. *Contemporary Physics*, 55(2): 152–153, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3216] H. Osborn. *Gauge Theories in Particle Physics: A Practical Introduction*, Fourth Edition, Volumes 1 & 2, by Ian Aitchison and Anthony Hey, Scope: textbook. Level: advanced undergraduates, graduates. *Contemporary Physics*, 55(2):154, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3217] Stig Stenholm. *Mathematics of Quantization and Quantum Fields*, by Jan Dereziński and Christian Gérard, Scope: monograph. Level: specialist. *Contemporary Physics*, 55(2):154–155, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3218] H. Osborn. *Three-Particle Physics and Dispersion Relation Theory*, by A. V. Anisovich, V. V. Anisovich, M. A. Matveev, V. A. Nikonov, J. Nyiri, and A. V. Sarantsev, Scope: monograph. Level: specialists. *Contemporary Physics*, 55(2):155–156, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3219] B. Ishak. *String Theory and the Scientific Method*, by Richard Dawid, Scope: general interest. Level: specialists, scientists. *Contemporary Physics*, 55(2):156, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3226] Norman Dombey. *Churchill's Bomb: a hidden history of science, war and politics*, Scope: history of science. Level: general reader. *Contemporary Physics*, 55(3):231–234, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3228] Eric Sheldon. *The nuclear astrophysics of star-shine*, Scope: textbook. Level: advanced undergraduate, graduate, professional and specialist researcher, early career researcher. *Contemporary Physics*, 55(3):238–241, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3231] Mark Nicol. *Physical Principles of Remote Sensing*, (3rd Edition), by W. G. Rees, Scope: handbook, text book. Level: undergraduate, postgraduate, advanced undergraduate, teacher, engineers. *Contemporary Physics*, 55(3):246–247, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3233] Prashant Khare. *Physics of Continuous Media: Problems and Solutions in Electromagnetism, Fluid Mechanics and MHD*, by Grigory Vekstein, Scope: reference, text book. Level: postgraduate, advanced undergraduate, early career researcher, teacher, engineers. *Contemporary Physics*, 55(3):248–249, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3234] Mark Nicol. *Planetary Science: The Science of Planets around Stars*, Second Edition, by George H. A. Cole and Michael M. Woolfson, Scope: general interest, text book. Level: general readership, non-specialists, pre-university, undergraduate, postgraduate, advanced undergraduate, scientist, engineers. *Contemporary Physics*, 55(3):249–250, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3235] Tom Lancaster. *Advanced Mechanics: From Euler's Determinism to Arnold's Chaos*, by S. G. Rajeev, Scope: textbook. Level: advanced

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[3236] Steven R. Spurgeon. *Experimental Neutron Scattering*, by B. T. M. Willis and C. J. Carlile, Scope: text book. Level: undergraduate. *Contemporary Physics*, 55(3):250–251, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3237] Peter J. Bussey. *Modern Particle Physics*, by Mark Thomson, Scope: textbook. Level: postgraduate, teacher. *Contemporary Physics*, 55(3): 251–252, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3241] Ingemar Bengtsson. *On the Topology and Future Stability of the Universe*, by Hans Ringström, Scope: monograph. Level: researcher. *Contemporary Physics*, 55(3):254–255, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3242] Manuel Vogel. *Extreme physics: properties and behaviour of matter at extreme conditions*, by Jeff Colvin and Jon Larsen, Scope: text book.

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[3243] Mark Nicol. *Understanding the Universe: An Inquiry Approach to Astronomy and the Nature of Scientific Research*, by George Greenstein, Scope: text book. Level: pre-university, undergraduate, teacher. *Contemporary Physics*, 55(3):256–257, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3244] D. W. Jones. *A Tale of Seven Elements*, by Eric Scerri, Scope: accessible monograph. Level: undergraduate, general readership. *Contemporary Physics*, 55(3):257–258, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3245] Mark Fox. *Atomic Physics: Precise Measurements and Ultracold Matter*, by Massimo Inguscio and Leonardo Fallani, Scope: monograph. Level: postgraduate, advanced undergraduate, early career researcher, researcher. *Contemporary Physics*, 55(3):258–259, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3246] Peter R. T. Munro. *Handbook of Biophotonics*: 3 Volume Set, edited by Jürgen Popp, Valery V. Tuchin, Arthur Chiou and Stefan H. Heinemann, Scope: handbook, reference. Level: specialist, scientist, engineers. *Contemporary Physics*, 55(3):259, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3247] Marco Casazza. *The Principle of the Common Cause*, by Gábor Hofer-Szabó, Miklós Rédei and Lázló E. Szabó, Scope: monograph. Level: postgraduate, early career researcher, researcher, teacher, specialist, scientist. *Contemporary Physics*, 55(3):260, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3250] F. Battista. Single particle sources and quantum heat fluctuations. *Contemporary Physics*, 55(4):286–301, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3252] A. E. Biondo, A. Pluchino, and A. Rapisarda. Micro and macro benefits of random investments in financial markets. *Contemporary Physics*, 55 (4):318–334, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3253] Derry W. Jones. *Serving the Reich: The Struggle for the Soul of Physics under Hitler*, by Philip Ball, Scope: general interest. Level: general readership. *Contemporary Physics*, 55(4):335–336, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3254] Derry W. Jones. *Crystals in Glass: A Hidden Beauty*, by E. D. Zanotto, Scope: general interest. Level: general readership. *Contemporary Physics*, 55(4):336–337, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3255] K. Alan Shore. *Electronic Processes in Non-crystalline Materials*, (Second Edition), by N. F. Mott and E. A. Davis, Scope: text book. Level: advanced undergraduate. *Contemporary Physics*, 55(4):337, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3256] J. Rogel-Salazar. *Stochastic Calculus and Differential Equations for Physics and Finance*, by Joseph L. McCauley, Scope: review. Level: postgraduate, researcher, specialist. *Contemporary Physics*, 55(4):338, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3257] Mark Fox. *Quantum Processes in Semiconductors*, (Fifth Edition), by Brian K. Ridley, Scope: text book. Level: postgraduate. *Contemporary Physics*, 55(4):338–339, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3258] Prashant Khare. *A Student's Guide to Entropy*, by Don S. Lemons, Scope: textbook. Level: undergraduate, early stage postgraduate. *Contemporary Physics*, 55(4):339, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3259] Nikolaos E. Myridis. *Scientific Inference: Learning from Data*, by Simon Vaughan, Scope: textbook. Level: undergraduate, advanced undergraduate, researcher, teacher, scientist, engineers. *Contemporary Physics*, 55 (4):339–340, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3260] Manuel Vogel. *The Physics of Quantum Mechanics*, by James Binney and David Skinner, Scope: text book. Level: undergraduate, advanced undergraduate. *Contemporary Physics*, 55(4):340–341, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3261] Peter J. Bussey. *The Physics of Reality: Space, Time, Matter, Cosmos*, edited by Richard L. Amoroso, Louis H. Kauffman and Peter Rowlands, Scope: conference proceedings. Level: specialist. *Contemporary Physics*, 55(4):341–342, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3262] D. G. C. Jones. *How the Ray Gun Got Its Zap: Odd Excursions into Optics*, by Stephen R. Wilk, Scope: review. Level: general readership,

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[3263] Peter V. E. McClintock. *Astrobiology: A Very Short Introduction*, by David C. Catling, Scope: monograph. Level: general readership. *Contemporary Physics*, 55(4):342–344, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3264] K. Alan Shore. *Functional Differential Geometry*, by Gerald Jay Sussman and Jack Wisdom with Will Farr, Scope: textbook. Level: advanced undergraduate. *Contemporary Physics*, 55(4):344, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3265] K. Alan Shore. *Introduction to Graphene-Based Nanomaterials: From Electronic Structure to Quantum Transport*, by Luis E. F. Foa Torres, Stephan Roche and Jean-Christophe Charlier, Scope: textbook. Level: postgraduate, advanced undergraduate. *Contemporary Physics*, 55(4): 344–345, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3266] B. Ishak. *The Physics and Evolution of Active Galactic Nuclei*, by Hagai Netzer, Scope: monograph. Level: specialists. *Contemporary Physics*, 55 (4):345, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3267] Chih-Yueh Wang. *Neutron Stars and Pulsars (IAU S291): Challenges and Opportunities after 80 Years, Proceedings of the International Astronomical Union (IAU S279)*, edited by Joeri van Leeuwen., Scope: conference proceedings. Level: researcher, scientist. *Contemporary Physics*, 55(4):346–347, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2014:DMC

[3268] B. Ishak. *Dark Matter and Cosmic Web Story*, by Jaan Einasto, Scope: monograph. Level: general readership, specialists. *Contemporary Physics*, 55(4):347, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3269] S. W. Lovesey. *Perspectives on Spin Glasses*, by Pierluigi Contucci and Cristian Giardinà, Scope: reference. Level: postgraduate. *Contemporary Physics*, 55(4):347–348, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Joseph:2014:MPE

[3270] Robert D. Joseph. *Magnificent Principia: exploring Isaac Newton's masterpiece*, by Colin Pask, Scope: general interest, monograph. Level: general readership, undergraduate, postgraduate, advanced undergraduate, teacher. *Contemporary Physics*, 55(4):348–349, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Nikolopoulos:2014:CPE

[3271] Lampros Nikolopoulos. *Computational Physics*, 2nd Edition, by Jos Thijssen, Scope: review. Level: general readership. *Contemporary Physics*, 55(4):349–350, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3272] Alan D. R. Phelps. *Waves and Oscillations in Plasmas*, by Hans L. Pécseli, Scope: text book. Level: undergraduate, postgraduate, advanced undergraduate, early career researcher. *Contemporary Physics*, 55(4): 350, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3273] Ian D. Lawrie. *Black Holes — New Horizons*, edited by Sean Hayward, Scope: edited book. Level: specialist. *Contemporary Physics*, 55(4): 350–351, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3274] Ignazio Licata. *Energy Science, Principles, Technologies and Impacts*: Second Edition, by John Andrews and Nick Jelley, Scope: review. Level: general readership, undergraduate, early career researcher, teacher. *Contemporary Physics*, 55(4):351–352, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3275] Peter J. Dobson. *Introduction to Metal-nanoparticle Plasmonics*, by Matthew Pelton and Garnett W. Bryant, Scope: review. Level: postgrad-

uate, advanced undergraduate, researcher, scientist, engineers. *Contemporary Physics*, 55(4):352–353, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3276] Alan D. R. Phelps. *Plasma Research at the Limit: From the International Space Station to Applications on Earth*, (with DVD-ROM), by Gregor Morfill, Yuri Baturin, and Vladimir Fortov. Scope: monograph. Level: general readership. *Contemporary Physics*, 55(4):353, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3277] S. W. Lovesey. *Topological Insulators and Topological Superconductors*, by B. Andrei Bernevig with Taylor L. Hughes, Scope: text book. Level: advanced undergraduate. *Contemporary Physics*, 55(4):353–354, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3278] John M. Stewart. *Relativistic Hydrodynamics*, by Luciano Rezzolla and Olindo Zanotti, Scope: monograph, text book. Level: postgraduate, advanced undergraduate, early career researcher, researcher. *Contemporary Physics*, 55(4):354–355, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3279] A. H. Harker. *Graphene: A New Paradigm in Condensed Matter and Device Physics*, by E. L. Wolf, Scope: monograph. Level: postgraduate, advanced undergraduate, early career researcher, researcher. *Contemporary Physics*, 55(4):355, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3280] A. H. Harker. *Phase Transitions: Modern Applications*, (2nd edition), by Moshe Gitterman, Scope: text book. Level: postgraduate. *Contemporary Physics*, 55(4):355–356, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2014:JCM

[3281] Richard Shorter. *James Clerk Maxwell: Perspectives on His Life and Work*, edited by Raymond Flood, Mark McCartney, and Andrew Whitaker, Scope: Review. Level: general readership. *Contemporary Physics*, 55(4):356, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3283] Peter V. E. McClintock. *How Big is Big and How Small is Small: The Sizes of Everything and Why*, by Timothy Paul Smith, Scope: monograph. Level: general readership, non-specialists, scientists, engineers. *Contemporary Physics*, 55(4):357–358, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3284] Manuel Vogel. *The Science of Ocean Waves: Ripples, Tsunamis and Stormy Seas*, by J. B. Zirker, Scope: general interest. Level: general readership. *Contemporary Physics*, 55(4):358–359, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3285] Richard Shorter. *An Introduction to Mechanics*, (2nd Edition), by Daniel Kleppner and Robert Kolenkow, Scope: review. Level: pre-university, undergraduate, teacher. *Contemporary Physics*, 55(4):359, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3286] Robert C. Smith. *Astrophysical Techniques*, Sixth Edition, by C. R. Kitchin, Scope: general interest, text book. Level: general readership, postgraduate, advanced undergraduate, teacher. *Contemporary Physics*, 55(4):359–360, 2014. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3289] Peter Knight. Editorial — international year of light. *Contemporary Physics*, 56(1):1, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3290] M. V. Berry. Nature's optics and our understanding of light. *Contemporary Physics*, 56(1):2–16, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3291] Tommaso Treu and Richard S. Ellis. Gravitational lensing: Einstein's unfinished symphony. *Contemporary Physics*, 56(1):17–34, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3292] M. J. Duff. How fundamental are fundamental constants? *Contemporary Physics*, 56(1):35–47, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3293] Levi P. Neukirch and A. Nick Vamivakas. Nano-optomechanics with optically levitated nanoparticles. *Contemporary Physics*, 56(1):48–62, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3373] Brian Cowan. *Translational Dynamics and Magnetic Resonance: Principles of Pulsed Gradient Spin Echo NMR*, by Paul T. Callaghan, Scope: monograph. Level: researcher. *Contemporary Physics*, 56(3):394–395, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3379] Manuel Vogel. *Time in Powers of Ten: Natural Phenomena and Their Timescales*, by Gerard 't Hooft and Stefan Vandoren, translated by Saskia Eisberg-'t Hooft, Scope: general interest. Level: general readership. *Contemporary Physics*, 56(3):400–401, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3393] David L. Andrews. *Quantum Physics of Light and Matter: A Modern Introduction to Photons, Atoms and Many-Body Systems*, by Luca Salasnich, Scope: reference, textbook. Level: general readership, undergraduate, advanced undergraduate. *Contemporary Physics*, 56(4):483, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3397] Giovanni Volpe. *An Introduction to Practical Laboratory Optics*, by J. F. James, Scope: monograph, manual, guide. Level: early career researcher, researcher, specialist. *Contemporary Physics*, 56(4):493–495, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3398] Tom Lancaster. *Lectures on Classical Electrodynamics*, by Berthold-Georg Englert, Scope: textbook. Level: advanced undergraduate, postgraduate, early career researcher, researcher, teacher, specialist. *Con-*

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[3409] Andrew Resnick. *Lie groups and Lie algebras for physicists*, by Ashok Das and Susumu Okubo, Scope: monograph. Level: postgraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 56(4):506–507, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3414] Miguel A. F. Sanjuán. *A Certain Uncertainty. Nature's Random Ways*, by Mark P. Silverman, Scope: monograph. Level: advanced undergraduate, postgraduate, early career researcher, researcher, scientist. *Contemporary Physics*, 56(4):510, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3415] Nigel John Mason. *An Introduction to Planets. Ours and Others; From Earth to Exoplanets*, by Therese Encrenaz, Scope: guide, general interest. Level: general readership, non-specialists, pre-university, undergraduate, advanced undergraduate. *Contemporary Physics*, 56(4):511, 2015. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3422] B. Ishak. *Stellar Evolution Physics — Volume 1. Physical Processes in Stellar Interiors*, Scope: monograph. Level: advanced undergraduates and specialists. *Contemporary Physics*, 57(1):90–92, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3424] Enda McGlynn. *Crystal Symmetry, Lattice Vibrations, and Optical Spectroscopy of Solids: A Group Theoretical Approach*, Scope: textbook. Level: postgraduate, early career researcher, researcher, specialist, scientist & engineers. *Contemporary Physics*, 57(1):96–99, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3427] B. Ishak. *Deep-sky Companions: The Messier Objects*, (2nd Edition), Scope: reference. Level: general readership. *Contemporary Physics*, 57 (1):110–112, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3428] Peter W. Milonni. *Lasers: the first 50 years*, Scope: review, general interest. Level: general readership, teacher, undergraduate. *Contemporary Physics*, 57(1):113–116, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3429] Prashant Khare. *Incompressible Flow*, 4th Edition, by Ronald L. Panton, Scope: textbook. Level: advanced undergraduate, early stage postgraduate. *Contemporary Physics*, 57(1):117–118, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3430] Michael C. Ogilvie. *Dynamics of the standard model*, 2nd edition, John F. Donoghue, Eugene Golowich and Barry R. Holstein, Scope: mono-

graph, reference. Level: postgraduate, early career researcher, researcher, teacher, specialist, scientist. *Contemporary Physics*, 57(1):118–120, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3431] Richard Keesing. *Discrete or Continuous? The Quest for Fundamental Length in Physics*, by Amit Hagar, Scope: monograph. Level: advanced undergraduate, postgraduate. early career researcher, researcher. *Contemporary Physics*, 57(1):120–121, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3432] Nikolaos E. Myridis. *4D visualization of matter: recent collected works of Ahmed H. Zewail, Nobel Laureate*, by Nikolaos E. Myridis, Scope: anthology (article collection). Level: academics, researchers, postgraduates and specialists in: physical chemistry, biochemistry, chemical biology, biophysics, bioengineering, imaging, structural biology, cancer research. *Contemporary Physics*, 57(1):122, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3433] K. Alan Shore. *Towards a new dimension: Exploring the Nanoscale*, by Anne Marcovich and Terry Shinn, Scope: monograph. Level: specialist. *Contemporary Physics*, 57(1):122–124, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3434] K. Alan Shore. *Nanoscale microwave engineering: Optical control of nanodevices*, by Charlotte Tripon-Canseliet and Jean Chazelas, Scope: monograph. Level: specialist. *Contemporary Physics*, 57(1):124–125, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3435] B. Ishak. *Astrophysics Processes: The Physics of Astronomical Phenomena*, by Hale Bradt, Scope: textbook. Level: postgraduate, advanced undergraduate, teacher. *Contemporary Physics*, 57(1):125–126, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2016:IGC

[3436] B. Ishak. *An Introduction to Galaxies and Cosmology*, (2nd Edition), edited by Mark H. Jones, Robert J. A. Lambourne, and Stephen Serjeant,

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[3437] B. Ishak. *Gravitation and Spacetime*, (3rd Edition), by Hans C. Ohanian and Remo Ruffini, Scope: textbook. Level: advanced undergraduate, postgraduate. *Contemporary Physics*, 57(1):128, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3438] B. Ishak. *Astrophysics Through Computation: With Mathematica$^{(R)}$ Support*, by Brian Koberlein and David Meisel, Scope: textbook. Level: advanced undergraduates, graduate students. *Contemporary Physics*, 57 (1):129, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3439] K. Alan Shore. *Quantum Transport Calculations for Nanosystems*, by Kenji Hirose and Nobuhiko Kobayashi, Scope: monograph. Level: specialist, researcher, early career researcher. *Contemporary Physics*, 57(1): 129–130, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3440] K. Alan Shore. *Biomedical Photonic Handbook*, (3 Volumes), edited by Tuan Vo-Dinh, Scope: handbook. Level: specialist, engineers, early career researchers. *Contemporary Physics*, 57(1):130–131, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3441] K. Alan Shore. *History of Modern Optics and Optoelectronics Development in China*, edited by Fuxi Gan and Shouyun Tian, Scope: monograph. Level: general readership, engineers, early career researchers. *Contemporary Physics*, 57(1):131–132, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3442] Frank Close. *Particle Accelerators: From Big Bang Physics to Hadron Therapy*, by Ugo Amaldi, Scope: monograph, review, postgraduate. Level: general reader, undergraduate, postgraduate, specialist. *Contemporary Physics*, 57(1):132–134, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3443] Manuel Vogel. *The Formation of the Solar System: Theories Old and New*, (2nd Edition), by Michael Woolfson, Scope: monograph, level: general readership. *Contemporary Physics*, 57(1):134–135, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3444] Lynn E. Eberly and Joseph H. Eberly. *Bayesian Probability Theory: Applications in the Physical Science*, by W. von der Linden, V. Dose and U. von Toussaint. Scope: review. Level: general readership, non-specialists. *Contemporary Physics*, 57(1):135–136, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:2016:SIS

[3445] Nigel John Mason. *The Science of Interstellar*, Scope: general interest. Level: general reader, non specialist. *Contemporary Physics*, 57(1): 136–137, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3446] Nigel John Mason. *Electrons in Molecules: From Basic Principles to Molecular Electronics*, by Jean Pierre Launay and Michel Verdaguer, Scope: reference, textbook. Level: advanced undergraduate, postgraduate, early career researcher, researcher. *Contemporary Physics*, 57(1): 137–138, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3447] G. J. Milburn. *Quantum Measurement Theory and its Applications*, by Kurt Jacobs, Scope: textbook. Level: postgraduate, early career researcher. *Contemporary Physics*, 57(1):138, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2016:CBO

[3448] Salvatore Esposito. *A Chorus of Bells and Other Scientific Inquiries*, by Jeremy Bernstein, Scope: article collection. Level: postgraduate, teacher, scientist. *Contemporary Physics*, 57(1):139, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3450] A. H. Harker. *Materials Modelling using Density Functional Theory: Properties and Predictions*, by Giustino Feliciano, Scope: monograph. Level: advanced undergraduate, postgraduate, early stage researcher. *Contemporary Physics*, 57(1):140–141, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3451] A. H. Harker. *Semiconductors: Bonds and Bands*, by David K. Ferry, Scope: textbook. Level: postgraduate. *Contemporary Physics*, 57(1): 141, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3452] A. H. Harker. *Phase transitions in materials*, Scope: textbook. Level: advanced undergraduate; postgraduate, early stage researcher. *Contemporary Physics*, 57(1):141–142, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Joseph:2016:UFG

[3453] Robert D. Joseph. *The Universal Force: Gravity — Creator of Worlds*, Scope: monograph. Level: general reader. *Contemporary Physics*, 57 (1):142, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2016:MOR

[3454] Peter V. E. McClintock. *Mid-Ocean Ridges*, Scope: monograph. Level: undergraduates, graduate students, interdisciplinary researchers. *Contemporary Physics*, 57(1):143, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2016:UCU

[3455] B. Ishak. *Unseen Cosmos: The Universe in Radio*, Scope: reference, general interest. Level: general readership. *Contemporary Physics*, 57 (1):143–144, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2016:LSH

[3456] B. Ishak. *Living with the Stars: how the human body is connected to the life cycles of the Earth, the Planets, and the Stars*, Scope: general interest. Level: general readership. *Contemporary Physics*, 57(1):144, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McClintock:2016:EVB

[3457] Peter V. E. McClintock. *Essentials of in vivo Biomedical Imaging*, edited by Simon R. Cherry, Ramsey D. Badawi and Jinyi Qi, Scope: edited book. Level: postgraduates, research scientists. *Contemporary Physics*, 57(1):144–145, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3458] Michael Belsley. *Experiments and Demonstrations in Physics Bar-llan Physics Laboratory* (second edition), Scope: guide or manual. Level: undergraduate. *Contemporary Physics*, 57(1):145–146, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3459] B. Ishak. *Why we need nuclear power: the environmental case*, Michael H. Fox, New York, NY, Oxford University Press, 2014, 320 pp., £22.99 (Hardback), ISBN 978-0-199-34457-4. Scope: general interest. Level: general readership. *Contemporary Physics*, 57(1):146–147, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[3460] Peter V. E. McClintock. *Superfluid States of Matter*, by Boris Egor Nikolay Svistunov, Egor Nikolay Babaev and Nikolay Prokof'ev, Scope: monograph. Level: postgraduates, research scientists. *Contemporary Physics*, 57(1):147, 2016. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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Ishak:2019:BRE

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[4037] B. Ishak. Book review: *Finding our place in the solar system: the scientific story of the Copernican revolution*, by T. Timberlake and P. Wallace, Cambridge, Cambridge University Press, 2019, 378 pp., £29.99 (hardback), ISBN 978-1-107-18229-5. *Contemporary Physics*, 60(4):334, 2019. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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Howard:2019:BRMb

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Gururajan:2020:BRS

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[4054] Andrew Resnick. Book review: *Airless bodies of the inner solar system*, by J. A. Grier, A. S. Rivkin, Cambridge, Elsevier, 2018, 283 pp., £76.95 (Paperback), ISBN 978-0-12-809279-8. Scope: monograph. Level: postgraduate, advanced undergraduate, early career researcher, teacher, scientist. *Contemporary Physics*, 61(1):52–53, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2020:BRP

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Blundell:2020:BRG

[4056] Stephen J. Blundell. Book review: *Group theory for physicists*, 2nd edition, by Z. Ma, Singapore, World Scientific, 2019, 655 pp., £115.00 (hardback), ISBN: 978-981-327-738-0. Scope: monograph. Level: researcher. *Contemporary Physics*, 61(1):53–54, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Anel:2020:BRS

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Vogel:2020:BRMa

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Taylor:2020:BRM

[4059] Fred Taylor. Book review: *Mysteries of Mars*, by F. V. De Blasio, Berlin, Springer-Praxis, 2019, 189 pp., £22.99 (paperback), ISBN: 978-3-319-74783-5. Scope: monograph. Level: general. *Contemporary Physics*, 61 (1):55, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ali:2020:BRL

[4060] Muhammad Mahmood Ali. Book review: *Lightwave communications*, by G. C. Papen and R. Blahut, Cambridge, Cambridge University Press, 2019, 970 pp., £79.99 (hardback), ISBN 978-1-108-42756-2. Scope: review, monograph, handbook, guide, textbook. Level: advanced undergraduate, postgraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 61(1):55–56, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Clayton:2020:BRT

[4061] John D. Clayton. Book review: *Tensor-valued random fields for continuum physics*, 1st edition, by Anatoliy Malyarenko and Martin Ostoja-Starzewski, Cambridge Monographs on Mathematical Physics, Cambridge, Cambridge University Press, 2019, 310 pp., $145 USD (hardback), ISBN 978-1-108-42985-6. Scope: monograph. Level: postgraduate, specialist. *Contemporary Physics*, 61(1):56–58, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2020:BRIa

[4062] Stephen H. Ashworth. Book review: *Introduction to electricity and magnetism*, by J. D. Walecka, Singapore, World Scientific, 2018, 272 pp., £75 (hardback), ISBN: 978-981-327-206-4, Scope: review. Level: undergraduate. Specialist. *Contemporary Physics*, 61(1):58–59, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2020:BRL

[4063] K. Alan Shore. Book review: *Lectures on astrophysics*, by S. Weinberg, Cambridge, Cambridge University Press, 2020, 226 pp., £34.99 (hardback), ISBN 978-1-108-41507-1. Scope: textbook. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 61(1): 59–60, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2020:BRG

[4064] K. Alan Shore. Book review: *Gravity! The quest for gravitational waves*, by Pierre Binêtruy, Oxford, Oxford University Press, 2018, 245 pp., 19.99 (hardback), ISBN: 978-0-19-879651-0. Scope: monograph. Level: general readership. *Contemporary Physics*, 61(1):60–61, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2020:BRC

[4065] K. Alan Shore. Book review: *Cosmic discovery: the search, scope and heritage of astronomy*, by M. Harwit, Cambridge, Cambridge University Press, 2019, 348 pp., £34.99 (paperback), ISBN: 978-1-108-72204-9. Scope: monograph. Level: general readership. *Contemporary Physics*, 61 (1):61–62, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Scali:2020:BRI

[4066] Stefano Scali. Book review: *Introduction to quantum mechanics*, 3rd edition, by D.J. Griffiths and D.F. Schroeter, Cambridge, Cambridge

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Vogel:2020:BRN

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Howard:2020:BRP

[4068] Eric Howard. Book review: *Physics on Ultracold quantum gases*, by Y. Han, W. Yi and W. Zhang, Singapore, World Scientific, 2018, 288, $98.00 (Hardback), ISBN: 978-981-327-075-6. Scope: review. Level: postgraduate, early career researcher, researcher, specialist, scientist, engineers. *Contemporary Physics*, 61(1):63–64, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[4070] Stefano Scali. Book review: *A guide to mathematical methods for physicists — advanced topics and applications*, by M. Petrini, G. Pradisi, A. Zaffaroni, London, World Scientific, 2018, 308 pp., $48.00 (paperback), ISBN 978-1-78634-704-6. Scope: textbook. Level: advanced undergraduate, postgraduate. *Contemporary Physics*, 61(1):64–65, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2020:BRV

[4071] Miguel A. F. Sanjuán. Book review: *Vibrations*, 3rd edition, by Balakumar Balachandran and Edward B. Magrab, Cambridge, UK, Cambridge University Press, 2018, 723 pp., £87.99 (hardback), ISBN: 978-1-108-42731-9. Scope: textbook, reference. Level: undergraduate, advanced undergraduate, postgraduate, teacher, engineers. *Contemporary Physics*,

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Gururajan:2020:BRM

[4072] M. P. Gururajan. Book review: *A modern course in transport phenomena*, by D. C. Venerus and H. C. Öttinger, Cambridge, UK, Cambridge University Press, 2018, 508 pp., £74.99 (hardback), ISBN 978-1-107-12920-7. Scope: reference, textbook. Level: advanced undergraduate, postgraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 61(1):66–67, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[4073] Peter J. Bussey. Book review: *Niels Bohr: a very short introduction*, by J. L. Heilbron, Oxford, Oxford University Press, 2020, 160 pp., $11.95 (paperback), ISBN 978-0-19-881926-4. Scope: general interest, biography. Level: scientist. *Contemporary Physics*, 61(1):67–68, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[4075] Ben J. Powell. Emergent particles and gauge fields in quantum matter. *Contemporary Physics*, 61(2):96–131, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[4076] Ofer Lahav. Dark energy: is it 'just' Einstein's cosmological constant Λ? *Contemporary Physics*, 61(2):132–145, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Scali:2020:BRP

[4077] Stefano Scali. Book review: *Physical mathematics*, 2nd edition, by Kevin Cahill, Cambridge, UK, Cambridge University Press, 2019, 757 pp., £64.99 (hardback), ISBN 978-1-108-47003-2. Scope: textbook. Level: undergraduate, advanced undergraduate, postgraduate, researcher. *Contemporary Physics*, 61(2):146, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ali:2020:BRE

[4078] Muhammad Mahmood Ali. Book review: *Experimental methods for science and engineering students: an introduction to the analysis and presentation of data*, 2nd edition. L. Kirkup, Cambridge, Cambridge University Press, 2019, 239 pp., £37.99 (hardback), ISBN: 978-1-108-41846-1. Scope: monograph, handbook, guide, textbook. Level: undergraduate, postgraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 61(2):146–147, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2020:BRX

[4079] Andrew Resnick. Book review: *"X-ray Microscopy"*, by Chris Jacobsen, Cambridge, UK, Cambridge University Press, University Printing House, 2020, $135, 579 pp., ISBN: 978-1-107-07657-0. Scope: Monograph. Level: advanced undergraduate student, graduate student. *Contemporary Physics*, 61(2):147–148, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2020:BRW

[4080] Andrew Resnick. Book review: *Waves and rays in seismology: answers to unasked questions*, 2nd edition, by Michael A. Slawinski, Singapore, World Scientific, 2018, 576 pp., £140 (hardback), ISBN: 978-981-3239-87-6. Scope: monograph. Level: advanced undergraduate, postgraduate. *Contemporary Physics*, 61(2):148, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2020:BRI

[4081] A. H. Harker. Book review: *Introduction to graphene-based nanomaterials: from electronic structure to quantum transport*, 2nd edition, by Luis E. F. Foa Torres, Stephan Roche and Jean-Christophe Charlier, Cambridge, UK, Cambridge University Press, 2020, 15pp. + 461pp., £74.99 (hardback), ISBN: 978-1-108-47699-7. Scope: textbook. Level: early stage researcher, postgraduate. *Contemporary Physics*, 61(2):149, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barber:2020:BRC

[4082] David C. Barber. Book review: *The cosmic mystery tour*, by N. Mee, Oxford, Oxford University Press, 2019, 207 pp., £16.99 (hardback), ISBN: 978-019-8831-86-0. Scope: review. Level: general readership. *Contemporary Physics*, 61(2):149–150, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2020:BRE

[4083] Andrew Resnick. Book review: *The essence of crystallography*, by Mark Ladd, Singapore, World Scientific, 2020, 532 pp., £105 (hardback), ISBN: 978-178-6346315. Level: advanced undergraduate, postgraduate, early career researcher. Scope: textbook. *Contemporary Physics*, 61(2):150, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2020:BRP

[4084] Salvatore Esposito. Book review: *Physics problems for aspiring physical scientists and engineers*, by K. Riley, Cambridge, UK, Cambridge University Press, 2019, 335 pp., £24.99 (paperback), ISBN: 978-1-1087-0130-3. Scope: reference. Level: pre-university, undergraduate, teacher. *Contemporary Physics*, 61(2):150–151, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2020:BRL

[4085] Eric Howard. Book review: *Lectures on the infrared structure of gravity and gauge theory*, by A. Strominger, Princeton, New Jersey, Princeton University Press, 2018, 200 pp., £41.95 (Paperback), ISBN 978-0-691-17973-5. Scope: review. Level: postgraduate, early career researcher, researcher, scientist. *Contemporary Physics*, 61(2):151–152, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2020:BRC

[4086] R. S. Shorter. Book review: *Competitive physics: mechanics and waves*, by J. Wang and B. Ricardo, Singapore, World Scientific, 2018, 832 pp., $68.00 (paperback), ISBN: 978-981-323-518-2. Scope: general interest, textbook. Level: general readership, pre-university, undergraduate. *Contemporary Physics*, 61(2):152–153, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Millen:2020:QEM

[4087] James Millen and Benjamin A. Stickler. Quantum experiments with microscale particles. *Contemporary Physics*, 61(3):155–168, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vincent:2020:IDD

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Nurgalieva:2020:TQT

[4089] Nuriya Nurgalieva and Renato Renner. Testing quantum theory with thought experiments. *Contemporary Physics*, 61(3):193–216, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2020:BRR

[4090] B. Ishak. Book review: *Red Dwarfs: their geological, chemical, and biological potential for life* (2nd ed.). *Contemporary Physics*, 61(3):217, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2020:BRSa

[4091] B. Ishak. Book review: *Star maps: history, artistry, and cartography*, 3rd edition, by N. Kanas, Switzerland, Springer, 2019, 563 pp, £39.99 (hardback), ISBN 978-3-030-13612-3. *Contemporary Physics*, 61(3):217, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2020:BRP

[4092] R. S. Shorter. Book review: *Principles of optics*, 7th edition — 60th anniversary edition, by M. Born and E. Wolf, Cambridge, Cambridge University Press, 2019, 992 pp., £54.99 (hardback), ISBN: 978-1-108-47743-7. *Contemporary Physics*, 61(3):217–218, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2020:BRQ

[4093] Nikolaos E. Myridis. Book review: *Quantum concepts in the social, ecological and biological sciences*, by F. Bagarello, Cambridge, Cambridge University Press, 2019, 300 pp., £59.99 (hardback), ISBN: 978-1-108-49212-6. *Contemporary Physics*, 61(3):218–219, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shiroka:2020:BRT

[4094] Toni Shiroka. Book review: *Thermodynamics of magnetizing materials and superconductors*, by Vladimir Kozhevnikov, Boca Raton, CRC Press, 2019, 133 pp., £50.00 (hardback), ISBN: 978-1-138-49993-5. *Contemporary Physics*, 61(3):219–220, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shiroka:2020:BRA

[4095] Toni Shiroka. Book review: *Application-driven quantum and statistical physics: a short course for future scientists and engineers, volume 2: equilibrium*, by J. M. Gillet, London, World Scientific, 2019, 314 pp., $45.00 (paperback), ISBN: 978-178-6347-03-9. *Contemporary Physics*,

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Shiroka:2020:BRI

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MacKay:2020:BRM

[4097] Robert S. MacKay. Book review: *Modern thermodynamics for chemists and biochemists*, by D. Sherwood and P. Dalby, Oxford, Oxford University Press, 2018, 912 pp., £45 (paperback), ISBN: 978-0-19-878470-8. *Contemporary Physics*, 61(3):222–223, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2020:BRT

[4098] Eric Howard. Book review: *Topological phase transitions and new developments*, by Lars Brink, Mike Gunn, Jorge V Jose, John Michael Kosterlitz and Kok Khoo Phua, Singapore, World Scientific, 2018, 264 pp., $78.00 (hardback), ISBN: 978-981-327-133-3. *Contemporary Physics*, 61(3):224, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2020:BRC

[4099] Nikolaos E. Myridis. Book review: *Complexity science: an introduction*, edited by M. A. Peletier, R. A. van Santen, and E. Steur, Singapore, World Scientific, 2019, 428 pp., £120.00 (hardback), ISBN 978-981-323-959-3. *Contemporary Physics*, 61(3):224–226, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Caruso:2020:BRE

[4100] Francisco Caruso. Book review: *Ether and modernity*, edited by J. Navarro, Oxford, UK, Oxford University Press, 2018, 272 pp., £65.00 (hardback), ISBN 978-0-19-879725-8. *Contemporary Physics*, 61(3):226–227, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

McIver:2020:DGW

[4101] Jess McIver and D. H. Shoemaker. Discovering gravitational waves with Advanced LIGO. *Contemporary Physics*, 61(4):229–255, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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Campugan:2020:OMS

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Ishak:2020:BRSb

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Ali:2020:BRP

[4106] Muhammad Mahmood Ali and Gabriel Leen. Book review: *From photons to atoms: the electromagnetic nature of matter*, by D. Funaro, Singapore, World Scientific Publishing Co. Pte. Ltd., 2019, 296 pp., £95.00 (hardback), ISBN: 978-981-12-0423-4. Scope: reference, monograph, general interest. Level: postgraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 61(4): 298–299, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

MacKay:2020:BRP

[4107] Robert S. MacKay. Book review: *The physics of gamma-ray bursts*, by Bing Zhang, Cambridge, Cambridge University Press, 2019, 579 pp., $79.99 (hardback), ISBN 978-1-107-02761-9. Scope: monograph, Level: researchers. *Contemporary Physics*, 61(4):299–300, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2020:BRM

[4108] Eric Howard. Book review: *Modified gravity: progresses and outlook of theories, numerical techniques and observational tests*, edited by Baojiu Li and Kazuya Koyama, Singapore, World Scientific, 2019, 313 pp., $98 (hardback), ISBN: 978-981-327-399-3. Scope: review. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 61(4): 300–301, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Tennyson:2020:BRC

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Ashworth:2020:BRIb

[4110] Stephen H. Ashworth. Book review: *The iodine molecule: insights into intra- and intermolecular perturbation in diatomic molecules*, by S. Lukashov, A. Petrov, and A. Pravilov, Cham, Springer, 2018, 199 pp., £74.99 (hardback), ISBN: 978-3-319-70071-7. Scope: review. Level: researcher. Specialist. Scientist. *Contemporary Physics*, 61(4):302–303, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wang:2020:BRM

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Miller:2020:BRAa

[4112] David J. Miller. Book review: *Astronomical spectroscopy: an introduction to the atomic and molecular physics of astronomical spectroscopy*, by J. Tennyson, Singapore, World Scientific, 2019, 264 pp., £33.00 (paperback), ISBN 978-1-78634-707-7. Scope: textbook. Level: undergraduate. *Contemporary Physics*, 61(4):304, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Caruso:2020:BRM

[4113] Francisco Caruso. Book review: *The Majorana Case: letters, documents, testimonies*, by Erasmo Recami, Singapore, World Scientific, 2020, 400 pp., £29.90 (paperback), ISBN 978-981-12-0769-3. Scope: book, general interest. Level: undergraduate, advanced undergraduate, postgraduate, early career research, historian of science, teacher, and specialist. *Contemporary Physics*, 61(4):304–305, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2020:BRAb

[4114] David J. Miller. Book review: *About stars: their formation, evolution, compositions, locations and companions*, by Michael M. Woolfson, Singapore, World Scientific, 2019, \$78/£75 (hardback), \$38/£35 (paperback), ISBN 978-1-78634-712-1 (hardback), 978-1-78634-725-1 (paperback). Scope: textbook, with problems and specimen answers. Level: Physics or Astronomy students or professionals. *Contemporary Physics*, 61(4):305–307, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2020:BRSa

[4115] David J. Miller. Book review: *The sun today*, by Claudio Vita-Finzi, Cham, Switzerland, Springer, 2018, 111 pp., £9.99 (paperback), ISBN 978-3-030-04078-9. Scope: general interest. Level: general readership. *Contemporary Physics*, 61(4):307, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2020:BRMb

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Miller:2020:BRSb

[4117] David J. Miller. Book review: *Stephen Hawking; a memoir of friendship and physics*, by Leonard Mlodinow, New York, Allen Lane, 2020, 240 pp., £20.00 (Hardback), ISBN: 978-0-241-41113-1. Scope: biography, with added science. Level: general readers, undergraduates, high school students. *Contemporary Physics*, 61(4):308–309, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Cassidy:2020:BRI

[4118] David Cassidy. Book review: *An introduction to cold and ultracold chemistry: atoms, molecules, ions and Rydbergs*, by Jesús Pérez Ríos, Cham, Springer, 2020, 267 pp., £59.99 (E-Book), ISBN: 978-3-030-55936-6. Scope: text book. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 61(4):309–310, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2020:BRS

[4119] Eric Howard. Book review: *Synthetic spin-orbit coupling in cold atoms*, edited by Wei Zhang, Wei Li and Carlos A. R. Sá Melo, Singapore, World Scientific, 2018, 308 pp., £84.10 (hardback), ISBN: 978-981-327-252-1. Scope: review. Level: early career researcher, researcher. *Contemporary Physics*, 61(4):310, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ali:2020:BRC

[4120] Muhammad Mahmood Ali. Book review: *Computational acoustics: theory and implementation*, by D. R. Bergman, Hoboken, NJ, Wiley, 2018, 296 pp., £99.95 (hardcover), ISBN: 978-1-119-27728-6. Scope: reference, guide, general interest, textbook. Level: advanced undergraduate, postgraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 61(4):310–311, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pospisil:2020:BRP

[4121] Christina Pospisil. Book review: *Principles of space-time-matter: cosmology, particles and waves in five dimensions*, by P. S. Wesson and J. M. Overduin, Singapore, World Scientific, 2019, 262 pp., £85.00 (Hardback), ISBN: 978-981-323-577-9. Scope: review. Level: early career researcher. *Contemporary Physics*, 61(4):311–312, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Probert:2020:BRE

[4122] Matt Probert. Book review: *Electronic structure: basic theory and practical methods*, 2nd edition, by Richard M. Martin, Cambridge, Cambridge University Press, 2020, £64.99, ISBN 978-1-108-42990-0. Level: postgraduate, early career researcher, researcher. Scope: reference text. *Contemporary Physics*, 61(4):312, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2020:BRO

[4123] Peter J. Bussey. Book review: *Origin and evolution of the universe. From Big Bang to exobiology*, 2nd edition, edited by M. A. Malkan and B. Zuckerman, Singapore, World Scientific, 2020, xiv + 232 pp., £75 (hardback), £30 (softback), ISBN 978-981-12-0645-0. Level: undergraduate, teacher. Scope: guide, edited book. *Contemporary Physics*, 61(4): 312–313, 2020. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lukishova:2021:IRP

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[4125] S. J. Rose and P. W. Hatfield. Astronomy domine: advancing science with a burning plasma. *Contemporary Physics*, 62(1):14–23, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[4126] Elizabeth Laier English, Ali Ashkhasi, and Peter Whibberley. Distributing time by fibre. *Contemporary Physics*, 62(1):24–38, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2021:MPP

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Wang:2021:PMP

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Sanjuan:2021:BRM

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Harker:2021:BRPa

[4130] A. H. Harker. Book review: *The physics of graphene*, 2nd edition, by Mikhail I. Katsnelson, Cambridge, UK, Cambridge University Press, 2020, 436 pp., $84.99 (hardback), ISBN: 978-1-108-47164-0. *Contemporary Physics*, 62(1):50, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pospisil:2021:BRS

[4131] Christina Pospisil. Book review: *String theory in a nutshell*, 2nd edition, edited by Elias Kiritsis, Princeton University Press, 2019, 888 pp., $95 (hardback), ISBN 978-0-691-15579-1. *Contemporary Physics*, 62(1): 50–51, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Aczel:2021:BRP

[4132] Miriam R. Aczel. Book review: *Practical alchemy: a memoir*, Walter A. Harrison, Hackensack, NJ, World Scientific, 2018, 176 pp., $28.00 (paperback), ISBN: 978-981-327-831-8. *Contemporary Physics*, 62(1): 51–52, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Aczel:2021:BRC

[4133] Miriam R. Aczel. Book review: *The cosmos: astronomy in the new millennium*, 5th edition. *Contemporary Physics*, 62(1):52–53, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2021:BRM

[4134] Peter J. Bussey. Book review: *Modern quantum mechanics*. *Contemporary Physics*, 62(1):53–54, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bengtsson:2021:BRD

[4135] Ingemar Bengtsson. Book review: *The discovery of cosmic voids* by Laird A. Thompson, Cambridge, Cambridge University Press, 2020, 290 pp., £39.99 (hardback), ISBN 978-1-108-49113-6. *Contemporary Physics*, 62 (1):54, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2021:BRNa

[4136] Manuel Vogel. Book review: *The NASA Kepler mission*, edited by Steve B. Howell, Bristol, IOP Publishing, 2020, 272 pp., $190 (hardback), ISBN

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Ashworth:2021:BRQ

[4137] Stephen H. Ashworth. Book review: *Quantum space*, y Jim Baggott, Oxford, Oxford University Press, 2018, £20.00 (hardback), ISBN 978-0-19-880911-1. *Contemporary Physics*, 62(1):55–56, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gaunt:2021:BRC

[4138] Jonathan Richard Gaunt. Book review: *Coherent states in gauge theories and applications in collider physics*, by M. Greco, World Scientific, 2019, 172 pp., £75 (Hardback), ISBN: 978-981-12-1389-2. *Contemporary Physics*, 62(1):56–57, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2021:BRI

[4139] Mario Bertolotti. Book review: *An introduction to quantum optics: an open system approach*, by Perry Rice, Bristol, UK, IoP Publishing, 2020, xii+225 pp. with figures, $95.00 (e-book), ISBN 978-0-7503-1713-9. *Contemporary Physics*, 62(1):57–58, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bertolotti:2021:BRE

[4140] Mario Bertolotti. Book review: *Electromagnetic waves and lasers*, 2nd edition, by Wayne D. Kimura, IOP Science, Bristol, UK, 2020, xv + 142 pp. with figures, $159.00 (paperback/hardback), ISBN: 978-0-7503-3521-8. *Contemporary Physics*, 62(1):58, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2021:BRS

[4141] Eric Howard. Book review: *Semiclassical and stochastic gravity: quantum field effects on curved spacetime*, Bei-Lok B. Hu and Enric Verdaguer, Cambridge, Cambridge University Press, 2020, 614 pp., £155.00 (hardback), ISBN: 978-0-521-19357-3. *Contemporary Physics*, 62(1):58–59, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2021:BRB

[4142] R. S. Shorter. Book review: *The Bohr atom: a guide*, by Bruce Cameron Reed, Bristol, IOP Science, 2020, 104 pp., $159.00 (E-book), Online ISBN 978-0-7503-3611-6; Print ISBN: 978-0-7503-3609-3. *Contemporary*

Physics, 62(1):59, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

DeAngelis:2021:BRC

[4143] Alessandro De Angelis. Book review: *Cosmic messengers: the limits of astronomy in an unruly universe*, by Martin Harwit, Cambridge, Cambridge University Press, 2021, 396 pp., $32.00 (E-Book), ISBN: 978-1-108-90616-6. *Contemporary Physics*, 62(1):59–61, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rogel-Salazar:2021:BRP

[4144] Jesus Rogel-Salazar. Book review: *Physics of digital photography*, 2nd edition, by Andy Rowlands, Bristol, UK, IOP Science, 2020, 165 pp., $159.00 (E-Book), ISBN: 978-0-7503-2558-5. *Contemporary Physics*, 62 (1):61, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Volpe:2021:BRD

[4145] Giovanni Volpe. Book review: *Don't be afraid of physics: quantum mechanics, relativity and cosmology for everyone*, by Ross Barrett and Pier Paolo Delsanto, Cham, Switzerland, Springer Nature, 2021, 293 pp., £17.99 (e-book), ISBN 978-3-030-63409-4. *Contemporary Physics*, 62 (1):61–62, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ishak:2021:BRI

[4146] B. Ishak. Book review: *Introduction to galaxy formation and evolution: from primordial gas to present-day galaxies*, by Andrea Cimatti, Filippo Fraternali, and Carlo Nipoti, Cambridge, Cambridge University Press, 2019, 582 pages, $69.99 (hardback), ISBN: 978-1-107-13476-8. *Contemporary Physics*, 62(1):62, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2021:BRM

[4147] R. S. Shorter. Book review: *Modern physics: a critical approach*, edited by Canio Noce, Bristol, Institute of Physics Publishing, 2020, 450 pp., £64 (hardback), ISBN: 978-0-7503-2676-6. *Contemporary Physics*, 62 (1):62–63, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gururajan:2021:BRPa

[4148] Mogadalai P. Gururajan. Book review: *Probability and statistics in the physical sciences*, 3rd edition, by Byron P. Roe, New York, Springer

Nature Switzerland, 2020, 285 pp., EUR 46 (e-book), ISBN: 978-3-030-53693-0. *Contemporary Physics*, 62(1):63–64, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Andrews:2021:BRM

[4149] David Andrews. Book review: *Mind and the cosmic order: how the mind creates the features & structure of all things, and why this insight transforms physics*, by Charles Pinter, Springer, ISBN: 978-3-030-50083-2 (e-book). *Contemporary Physics*, 62(1):64–65, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:2021:BRP

[4150] Nigel John Mason. Book review: *Planetary diversity: rocky planet processes and their observational signatures*, y Elizabeth J. Tasker, Yuka Fujii, Matthieu Laneuville, Cayman Unterborn, Steven J. Desch and Hilairy E. Hartnett, IOP Publishing, 2020, 266 pp., $159.00 (e-book), ISBN: 978-0-7503-2140-2. *Contemporary Physics*, 62(1):65–66, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2021:BRL

[4151] N. E. Myridis. Book review: *The large-scale structure of the Universe*, by P. J. E. Peebles, winner of the Nobel prize in Physics, Princeton University Press, 2020, 448 pp., £50.00 (paperback), ISBN: 978-0-691-20983-8. *Contemporary Physics*, 62(1):66–67, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Morozov:2021:SPD

[4152] Dmitry V. Morozov, Alessandro Casaburi, and Robert H. Hadfield. Superconducting photon detectors. *Contemporary Physics*, 62(2):69–91, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zuk:2021:BIC

[4153] Paweł Jan Zuk. A brief introduction to contemporary electrokinetics. *Contemporary Physics*, 62(2):92–104, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2021:BRD

[4154] Peter J. Bussey. Book review: *Do wave functions jump? Perspectives of the work of GianCarlo Ghirardi* edited by Valia Allori, Angelo Bassi, Detlef Dürr, and Nino Zanghi, Cham, CH, Springer Nature Switzerland, 2021, xv + 436 pp., £87.50 (hardcover), ISBN 978-3-0304-6776-0/

ISBN 978-3-0304-6777-7 (e-book). Scope: article collection. Level: early career researcher, specialist, scientist. *Contemporary Physics*, 62(2):105–106, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Esposito:2021:BRN

[4155] Salvatore Esposito. Book review: *The neutrino story: one tiny particle's grand role in the cosmos* by Rabindra N. Mohapatra, Cham, Switzerland, Springer, 2021, xvi+222 pp., £17.99 (E-Book), ISBN 978-3-0305-1846-2. Scope: monograph, general interest. Level: non-specialists, undergraduate, specialist, scientist. *Contemporary Physics*, 62(2):106–107, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2021:BRE

[4156] A. H. Harker. Book review: *The equations of materials* by Brian Cantor, Oxford, Oxford University Press, 2020, 19 + 307pp., £59.99 (hardback), £29.99 (paperback), ISBN 978-0-19-885187-5 (hbk)/978-0-19-885188-2 (pbk). Scope: general interest. Level: pre-university, undergraduate. *Contemporary Physics*, 62(2):107, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

MacKay:2021:BRC

[4157] Robert S. MacKay. Book review: *The cosmic microwave background*, 2nd edition, by Ruth Durrer, Cambridge, UK, Cambridge University Press, 2021, 510 pp., £47.61 (hardback), ISBN 978-1-107-13522-2. Scope: textbook. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 62(2):107–108, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2021:BRPa

[4158] David J. Miller. Book review: *Particle detectors: fundamentals and applications* by Hermann Kolanoski and Norbert Wermes, New York, Oxford University Press, 2020, 944 pp., $100 (Hardback), ISBN 978-0-19-885836-2. Scope: monograph. Level: graduate. *Contemporary Physics*, 62(2):108–109, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2021:BRA

[4159] David J. Miller. Book review: *Advances in nuclear physics: structure and reactions* edited by R.K. Puri, J. Aichelin, S. Gautam and R. Kumar, Springer Nature, 2020, 273 pp., £129.99 (hardback), ISBN 978-981-1590-61-0. Scope: conference proceedings. Level: researcher. *Contempo-*

rary Physics, 62(2):109–110, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2021:BRPb

[4160] David J. Miller. Book review: *The physics of the dark photon: a primer* by Marco Fabbrichesi, Emidio Gabrielli and Gaia Lanfranchi, Cham, Springer Nature, 2021, 78 pp., £44.99 (paperback), ISBN: 978-3-030-62518-4. Scope: review. Level: researcher. *Contemporary Physics*, 62 (2):110, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Miller:2021:BRC

[4161] David J. Miller. Book review: *Classical mechanics: a professor–student collaboration* edited by Mario Campanelli, Bristol, IOP Science, 2020, 376 pp., £99.00 (hardback), ISBN: 978-0-7503-2688-9. Scope: textbook. Level: undergraduate. *Contemporary Physics*, 62(2):110–111, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2021:BRS

[4162] A. H. Harker. Book review: *Semiconductor physics: principles, theory and nanoscale* by S. Tiwari, Oxford, Oxford University Press, 2020, 19 + 803 pp., £65.00 (hardback), ISBN 978-0-19-875986-7. Scope: textbook. Level: undergraduate, early postgraduate. *Contemporary Physics*, 62(2): 111–112, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Halttunen:2021:BRA

[4163] Krista Halttunen. Book review: *The advent of relativity* by Voldemar Smilga, Singapore, World Scientific, 2021, 352 pp., £60.00 (hardback), ISBN: 978-981-12-3114-8. Scope: monograph. Level: pre-university. *Contemporary Physics*, 62(2):112, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Osborn:2021:BRQ

[4164] H. Osborn. Book review: *From quarks to pions: chiral symmetry and confinement* by M. Creutz, World Scientific, 2018, 216 pp., £75 (hardback), ISBN: 978-981-322-923-5. Scope: monograph. Level: postgraduate. *Contemporary Physics*, 62(2):113, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lakshminarayanan:2021:BRH

[4165] Vasudevan Lakshminarayanan. Book review: *The handbook of medical image perception and techniques*, 2nd edition, by E. Samei and E.

A. Krupinski, Cambridge, UK, Cambridge University Press, 2018, 522 pp., £120.00 (hardback), ISBN: 978-1-107-19488-5. Scope: handbook. Level: advanced undergraduate, postgraduate, early career researcher, researcher, teacher, specialist. *Contemporary Physics*, 62(2):113–114, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Scali:2021:BRA

[4166] Stefano Scali. Book review: *Advanced quantum condensed matter physics: one-body, many-body, and topological perspectives* by Michael El-Batanouny, Cambridge, Cambridge University Press, 2020, £69.99 (hardback), ISBN: 978-1-108-48084-0. Scope: reference, textbook. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 62(2):114–115, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Scali:2021:BRG

[4167] Stefano Scali. Book review: *Group theory for physicists*, 2nd edition, by Zhong-Qi Ma, Hackensack, NJ, World Scientific, 2019, 656 pp., £115 (paperback), ISBN: 978-981-327-796-0. Scope: textbook. Level: advanced undergraduate, postgraduate, early career researcher, researcher. *Contemporary Physics*, 62(2):115–116, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wang:2021:BRR

[4168] Chih-Yueh Wang. Book review: *Relativistic fluid dynamics in and out of equilibrium: and applications to relativistic nuclear collisions* by Paul Romatschke and Ulrike Romatschke, Cambridge, Cambridge University Press, 2019, 204 pp., US$140.00 (hardcover), ISBN-13: 978-1-108-48368-1. Scope: monograph. Level: postgraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 62(2):116, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2021:BRI

[4169] Andrew Resnick. Book review: *An introduction to fluorescence correlation spectroscopy* by Thorsten Wohland, Radek Machán, and Sudipta Maiti, Bristol, IOP Publishing Ltd, 2020, 300 pages, $190.00, ISBN: 978-0-7503-2078-8. Scope: textbook, handbook. Level: advanced undergraduate student, graduate student, researcher. *Contemporary Physics*, 62(2):117, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2021:BRS

[4170] Andrew Resnick. Book review: *Stigmatic optics* by Rafael G. González-Acuña and Héctor A. Chaparro-Romo, Bristol, IOP Publishing Ltd, 2020, 308 pages, $190.00, ISBN-13: 978-0-7503-3461-7, ISBN-10: 0-7503-3461-4. Scope: textbook, handbook. Level: advanced undergraduate student, graduate student, researcher. *Contemporary Physics*, 62 (2):117–118, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shorter:2021:BRP

[4171] R. S. Shorter. Book review: *The physics of the Manhattan Project* by Bruce Cameron Reed, New York, Springer, Nature Switzerland AG, 2021, 256 pp., £43.99 (e-book), ISBN: 978-3-030-61372-3. Scope: general interest, textbook. Level: general readership, undergraduate, teacher. *Contemporary Physics*, 62(2):118, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2021:BRE

[4172] Manuel Vogel. Book review: *Electrons in motion: attosecond physics explores fastest dynamics* by F. Krausz, Singapore, World Scientific, 2019, 536 pp., $175 (hardback), ISBN: 978-981-12-0186-8. Scope: article collection. Level: researcher, specialist. *Contemporary Physics*, 62(2):119, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gershon:2021:BRP

[4173] Tim Gershon. Book review: *Particle–antiparticle asymmetry in the meson system* by Hiroaki Aihara, IOP Science, 2020, $190.00 (hardback), ISBN: 978-0-7503-3649-9, $159.00 (ebook), ISBN: 978-0-7503-3651-2. Scope: reference material, appropriate for undergraduate level. *Contemporary Physics*, 62(2):119–120, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shotter:2021:BRE

[4174] A. C. Shotter. Book review: *Essentials of nucleosynthesis and theoretical nuclear astrophysics* by Thomas Rauscher, Bristol, IOP Science, 2020, $190.00 (Hardback), 397 pp., ISBN 978-0-7503-1150-2. Level: advanced undergraduate, postgraduate, early career researcher, researcher. Scope: reference. *Contemporary Physics*, 62(2):120–121, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Volpe:2021:BRS

[4175] Giovanni Volpe. Book review: *Statistical mechanics: entropy, order parameters, and complexity* 2nd edition, by James P. Sethna, Oxford, Oxford University Press, 2021, 496pp., £58.99 (paperback), ISBN 978-0-19-886524-7. Scope: textbook. Level: undergraduate, postgraduate, advanced undergraduate. *Contemporary Physics*, 62(2):121–122, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2021:BRR

[4176] Dr. Manuel Vogel. Book review: *Relativity and cosmology: volume 5 of modern classical physics* by Kip S. Thorne and Roger D. Blandford, Princeton, Princeton University Press, 2021, 416 pp., £48 (softcover), ISBN: 978-0-691-20739-1. Scope: textbook. Level: advanced undergraduates. *Contemporary Physics*, 62(2):122, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2021:BRI

[4177] Peter J. Bussey. Book review: *Introduction to the standard model and beyond: quantum field theory, symmetries and phenomenology* by Stuart Raby, Cambridge, Cambridge University Press, 2021, xvi+619 pp., £60 (hardback), ISBN 978-1-108-49,419-9. Scope: textbook. Level: postgraduate. *Contemporary Physics*, 62(2):123, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gururajan:2021:BRC

[4178] Mogadalai P. Gururajan. Book review: *Continuum mechanics of solids* by Lallit Anand and Sanjay Govindjee, Oxford, UK, Oxford University Press, 2020, 736 pp., £65.00 (hardback), ISBN: 978-0-19-886472-1. Scope: textbook. Level: postgraduate, advanced undergraduate, early career researcher, researcher, teacher, engineers. *Contemporary Physics*, 62(2): 123–124, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Barnes:2021:PCE

[4179] Samuel J. K. Barnes and Aneta Stefanovska. Physics of cellular energy metabolism. *Contemporary Physics*, 62(3):125–143, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Kumar:2021:SCI

[4180] Sunil Kumar, Manoj Kumar, and Amarjeet Singh. Synthesis and characterization of iron oxide nanoparticles (Fe_2O_3, Fe_3O_4): a brief review.

Contemporary Physics, 62(3):144–164, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Palti:2021:SST

[4181] Eran Palti. The swampland and string theory. *Contemporary Physics*, 62(3):165–179, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2021:BRG

[4182] Peter J. Bussey. Book review: *General relativity: the essentials* by Carlo Rovelli, Cambridge, Cambridge University Press, 2021, x+170 pp., £14.99 (paperback), ISBN 978-1-009-01369-7. Scope: textbook. Level: postgraduate. *Contemporary Physics*, 62(3):180, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2021:BRO

[4183] Peter J. Dobson. Book review: *Optical materials*, 2nd edition by Kelly Potter and Joseph Simmons, USA, Elsevier, 2020, 530 pp., £125-£155 (paperback) (E-Book), ISBN: 978-0-12-818642-8. Scope: textbook. Level: advanced undergraduate, postgraduate. *Contemporary Physics*, 62(3): 180–181, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2021:BRSa

[4184] Peter J. Bussey. Book review: *Statistical Physics*, vol. 1 of *Modern Classical Physics* by Kip S. Thorne and Roger D. Blandford, Princeton, Princeton University Press, 2021, xxii+384 pp., £40 (paperback), ISBN 978-0-691-20612-7. Level: advanced undergraduate, postgraduate. scope: textbook. *Contemporary Physics*, 62(3):181–182, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wang:2021:BRC

[4185] Chih-Yueh Wang. Book review: *Computational statistical physics* by Lucas Böttcher and Hans J. Herrmann, Cambridge, UK, Cambridge University Press, 2021, 257 pp., US$59.99 (E-book), ISBN 978-1-108-84142-9. Scope: textbook. Level: advanced undergraduate, postgraduate, early-career researcher, researcher, scientist, engineers. *Contemporary Physics*, 62(3):182–183, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Mason:2021:BRS

[4186] Nigel John Mason. Book review: *Space science and public engagement: 21st century perspectives and opportunities* by Amy

Kaminski, Elsevier, 2021, 298 pp., \$69.95 (E-Book), ISBN: 978-0-12-817390-9, https://www.elsevier.com/books/space-science-and-public-engagement/kaminski/978-0-12-817390-9. Scope: review. Level: general readership, non-specialists, pre-university, undergraduate, postgraduate, advanced undergraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 62(3):183–184, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jamil:2021:BRE

[4187] M. Jamil. Book review: *Exploring classical mechanics: a collection of 350+ solved problems for students, lecturers, and researchers*, 2nd revised and enlarged English edition by G. L. Kotkin and V. G. Serbo, Oxford, UK, Oxford University Press, 2020, 400 pp., £29.99 (E-Book), ISBN: 978-0-19-885379-4. Scope: monograph, handbook, guide. Level: undergraduate, advanced undergraduate, early career researcher, researcher. *Contemporary Physics*, 62(3):184–185, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuxen:2021:BRT

[4188] Miguel A. F. Sanjuán. Book review: *Thermodynamics and statistical mechanics. An introduction for physicists and engineers* by Samya Zain, Bristol, IOP Publishing, 2021, 372 pp., £99 (hardback), ISBN: 978-0-7503-3083-1, 978-0-7503-3081-7. Scope: textbook. Level: undergraduate, advanced undergraduate, teacher, engineers. *Contemporary Physics*, 62 (3):185, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Resnick:2021:BRT

[4189] Andrew Resnick. Book review: *Thermodynamics: principles characterising physical and chemical processes*, 5th edition by Jurgen Honig, London, Elsevier, 2020, \$190 (E-Book), ISBN: 978-0-12-821940-9. Scope: textbook. Level: advanced undergraduate, postgraduate, early career researcher, scientist. *Contemporary Physics*, 62(3):185–186, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gururajan:2021:BRE

[4190] Mogadalai P. Gururajan. Book review: *Elasticity & fluid dynamics*, 1st edition by Kip S. Thorne and Roger D. Blandford, Series: Volume 3 of Modern Classical Physics, Princeton, USA, Princeton University Press, 2021, 450 pp. (565-1014), 50 USD (paperback), ISBN 978-0-691-20734-6. Scope: reference, textbook. Level: postgraduate, advanced undergraduate, early career researcher, researcher, teacher, scientist, engineers.

Contemporary Physics, 62(3):186–187, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2021:BRSb

[4191] Peter J. Bussey. Book review: *Seven fundamental concepts in space-time physics* by Vesselin Petkov, Cham, CH, Springer International Publishing, 2021, xix + 81 pp., £50 (paperback), ISBN: 978-3-030-75638-3. Scope: monograph. Level: scientist. *Contemporary Physics*, 62(3): 187–188, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Xie:2021:MTP

[4192] Songbo Xie and J. H. Eberly. Managing the three-party entanglement challenge. *Contemporary Physics*, 62(4):189–198, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jiang:2021:PMB

[4193] Xiangqian Jiang and Andrew Henning. Precision metrology: from bulk optics towards metasurface optics. *Contemporary Physics*, 62(4):199–216, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Rider:2021:SNL

[4194] M. S. Rider and W. L. Barnes. Something from nothing: linking molecules with virtual light. *Contemporary Physics*, 62(4):217–232, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2021:RP

[4195] Peter J. Bussey. Resolving a paradox. *Contemporary Physics*, 62(4): 233–235, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Howard:2021:BRQ

[4196] Eric Howard. Book review: *The quantum universe: essays on quantum mechanics, quantum cosmology, and physics in general* by James B. Hartle, Singapore, World Scientific, 2021, 624 pp., £110.00 (E-Book), ISBN: 978-981-12-1634-3. Scope: edited book. Level: early career researcher. *Contemporary Physics*, 62(4):236, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Probert:2021:BRM

[4197] Matt Probert. Book review: *Machine learning with neural networks: an introduction for scientists and engineers* by Bernhard Mehlig, Cam-

bridge, UK, Cambridge University Press, 2021, 249 pp., £39.99 (hardback), ISBN: 978-1-108-49493-9. Scope: monograph, textbook. Level: postgraduate, researcher. *Contemporary Physics*, 62(4):236–237, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gururajan:2021:BRPb

[4198] Mogadalai P. Gururajan. Book review: *Physics of elasticity and crystal defects* Oxford series on materials modelling, by Adrian P. Sutton, Oxford, Oxford University Press, 2020, 288 pp., £45.00 (hardback), ISBN: 978-0-19-886078-5. Scope: monograph, textbook. Level: advanced undergraduate, postgraduate, early career researcher, researcher, teacher, scientist, engineers. *Contemporary Physics*, 62(4):237–238, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sharma:2021:BRI

[4199] Mohit Sharma. Book review: *Introduction to quantum nanotechnology: a problem focused approach* by Duncan G. Steel, Oxford, UK, Oxford University Press, 2021, 370 pp., £65.00 (hardback), ISBN 978-0-19-289507-3. Scope: reference, review. Level: postgraduate, early career researcher, researcher, teacher, scientist, engineers. *Contemporary Physics*, 62(4): 238–239, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2021:BRC

[4200] Nikolaos E. Myridis. Book review: *Cosmology's century: an inside history of our modern understanding of the universe* Physics & Astronomy, by P. J. E. Peebles, winner of the Nobel prize in Physics, Princeton, NJ, Princeton University Press, 2020, 440 pp., $28.00 (hardback), ISBN (e-book) 978-0-691-20166-5. Scope: monograph. Level: non-specialists, undergraduate, advanced undergraduate, postgraduate, researcher, teacher, specialist, scientist. *Contemporary Physics*, 62(4):239–240, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Reid:2021:BRH

[4201] Jack Reid. Book review: *A handbook of mathematical methods and problem-solving tools for introductory physics* (second edition) by Joshua F. Whitney, Heather M. Whitney, IOP Science, Bristol, Institute of Physics Publishing, 2021, $120.00 (hardback), $90.00 (e-book), E-Book (https://store.ioppublishing.org/page/detail/A-Handbook-of-Mathematical-Methods-and-ProblemSolving-Tools-for-Introductory-Physics-Second-Edition/?K=9780750333993), ISBN 978-0-7503-3399-3. Scope: handbook. Level: undergraduate. *Contemporary Physics*, 62(4):240–241,

2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Belsley:2021:BRU

[4202] Michael Belsley. Book review: *Ultrafast lasers and optics for experimentalists* by James David Pickering, Bristol, UK, IOP Science, 2021, 157 pp., ISBN 978-0-7503-3659-8. Scope: handbook. Level: advanced undergraduate, postgraduate. *Contemporary Physics*, 62(4):241–242, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2021:BRPb

[4203] A. H. Harker. Book review: *Principles of materials characterization and metrology* by Kannan M. Krishnan, Oxford, UK, Oxford University Press, 2021, 20 + 849 pp., ISBN 978-0-19-883025-2 (hbk), ISBN 978-0-19-883026-9 (pbk). Scope: textbook. Level: undergraduate, early postgraduate. *Contemporary Physics*, 62(4):242, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2021:BRN

[4204] A. H. Harker. Book review: *Nuclear materials science*, 2nd edition by Karl Whittle, IOP Publishing Ltd, 2020, 218 pp., ISBN: 978-0-7503-2376-5 (ebook), ISBN: 978-0-7503-2374-1 (print). Scope: textbook. Level: undergraduate, early postgraduate. *Contemporary Physics*, 62(4):242–243, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Myridis:2021:BRP

[4205] Nikolaos E. Myridis. Book review: *Principles of physical Cosmology* by P. J. E. Peebles, winner of the Nobel prize in Physics, Princeton, NJ, Princeton University Press, 2020, 774 pp., £62.00 (e-book), ISBN 978-0-691-20672-1. Princeton series in physics & astronomy. Scope: reference. Level: non-specialists, advanced undergraduate, postgraduate, researcher, teacher, specialist, scientist. *Contemporary Physics*, 62(4): 243–244, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Boyack:2021:BRE

[4206] Rufus Boyack. Book review: *Electrostatics of conducting cylinders and spheres* by John Lekner, Melville, NY, AIP Publishing, 2021, 240 pp., \$135 (paperback), https://doi.org/10.1063/9780735423350, ISBN: 978-0-7354-2332-9. Scope: monograph. Level: scientist. *Contemporary Physics*, 62(4):244–245, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2021:BRNb

[4207] Manuel Vogel. Book review: *Nuclear data — a primer* by David G. Jenkins and John L. Wood, Bristol, UK, IOP Publishing, 2021, 198 pp., USD 190 (hardcover), ISBN 978-0-7503-2672-8. Scope: textbook. Level: advanced undergraduates and above. *Contemporary Physics*, 62(4):245–246, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuxen:2021:BRR

[4208] Miguel A. F. Sanjuán. Book review: *A random walk in physics. Beyond black holes and time-travels* by Massimo Cencini, Andrea Puglisi, Davide Vergni, and Angelo Vulpiani, Springer Nature Switzerland AG, 2021, 36.39 EUR (hardback), 224 pp. ISBN 978-3-030-72530-3. Scope: general interest. Level: general readership, undergraduate, teacher. *Contemporary Physics*, 62(4):246–247, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Deppisch:2021:BRF

[4209] Frank F. Deppisch. Book review: *Foundations of quantum cosmology* by Martin Bojowald, IOP Science, 2020, ISBN: 978-0-7503-2460-1 (E-Book). Scope: monograph. Level: physics graduate. *Contemporary Physics*, 62 (4):247, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2021:BRT

[4210] Stephen J. Blundell. Book review: *Theory of simple glasses: exact solutions in infinite dimensions* by Giorgio Parisi, Pierfrancesco Urbani and Francesco Zamponi, Cambridge University Press, 2020, 349 pages, £62.99 (hardcover), ISBN: 978-1-108-12049-4. Level: researcher. Scope: textbook. *Contemporary Physics*, 62(4):247–248, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Ashworth:2021:BRI

[4211] Stephen H. Ashworth. Book review: *The ideas of particle physics* by James Dodd and Ben Gripaios, Cambridge University Press, 2020, £34.99 (paperback, https://www.cambridge.org/gb/academic/subjects/physics/particle-physics-and-nuclear-physics/ideas-particle-physics-4th-edition?format=PB), ISBN 978-1-108-72740-2. Scope: review. Level: general readership, non-specialists, scientists. *Contemporary Physics*, 62(4):248–249, 2021. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Keller:2022:CQS

[4212] Matthias Keller. Cavity-QED with single trapped ions. *Contemporary Physics*, 63(1):1–14, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Chapman:2022:FLS

[4213] E. Chapman. First light: switching on stars at the dawn of time. *Contemporary Physics*, 63(1):15–33, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Milburn:2022:PLM

[4214] G. J. Milburn and Sahar Basiri-Esfahani. The physics of learning machines. *Contemporary Physics*, 63(1):34–60, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Vogel:2022:BRSa

[4215] Manuel Vogel. Book review: *Synchrotron radiation: sources and applications to the structural and electronic properties of materials* by D. Phil Woodruff, Cambridge, Cambridge University Press, 2021, 450 pp., £74.99 (hardback), ISBN: 978-1-316-99574-7. Scope: monograph. Level: advanced undergraduate, postgraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 63(1):61, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sivakumar:2022:BRQ

[4216] Srinivasan Sivakumar. Book review: *Quantum information processing, quantum computing, and quantum error correction: an engineering approach*, 2nd edition by Ivan Djordjevic, Elsevier, 2021, 838 pp., $125.00 (paperback), ISBN 978-0-12-821987-4. Scope: textbook. Level: advanced undergraduate, postgraduate. *Contemporary Physics*, 63(1):61–62, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Beauty:2022:BRE

[4217] Aras Beauty, Laili Fitria Zulfa, and Iwan. Book review: *Entropy and free energy in structural biology: From thermodynamics to statistical mechanics to computer simulation* by Hagai Meirovitch, Boca Raton, CRC Press, 2020, 396 pp., £80.00 (hardback), ISBN 978-0-367-40692-9. Scope: textbook. Level: advanced undergraduate, postgraduate, researcher, scientist, engineer. *Contemporary Physics*, 63(1):62–63, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Reid:2022:BRQ

[4218] Jack Reid. Book review: *Quantum mechanics: introduction to mathematical formulation* by Martin Pieper, Wiesbaden, Springer International Publishing, 2021, xiii + 33 pp., £19.99 (paperback), ISBN 978-3-658-32645-6. Scope: guide. Level: general readership. *Contemporary Physics*, 63(1):63, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuxen:2022:BRT

[4219] Miguel A. F. Sanjuán. Book review: *Theory of the spread of epidemics and movement ecology of animals. An interdisciplinary approach using methodologies of physics and mathematics* by V. M. (Nitant) Kenkre and Luca Giuggioli, Cambridge, UK, Cambridge University Press, 2021, 330 pp., £120 (hardback), ISBN: 978-1-108-84140-5. Scope: monograph. Level: postgraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 63(1):64, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shore:2022:BRF

[4220] K. Alan Shore. Book review: *Fundamental properties of semiconductor nanowires* edited by Fukata Naoki and Rurali Riccardo, Singapore, Springer International Publishing, 2021, 454 pp., £87.50 (E-Book), ISBN 978-981-15-9049-8. Scope: monograph. Level: postgraduate, early career researcher. *Contemporary Physics*, 63(1):64–65, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Bussey:2022:BRE

[4221] Peter J. Bussey. Book review: *Exofrontiers: big questions in exoplanetary science* edited by N. Madhusudhan, Bristol, IOP Publishing, 2021, xxi+ 287 pp., £108 (hardback), ISBN 978-0-7503-1470-1. Scope: article collection. Level: researcher. *Contemporary Physics*, 63(1):65–66, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2022:BRD

[4222] A. H. Harker. Book review: *Dimensional analysis: the great principle of similitude* by Jeffrey H. Williams, Bristol, UK, IOP Publishing Ltd, 2021, 20 + 223 pp., £120 (hardback), ISBN 978-0-7503-3653-6; £99 (e-book), ISBN 978-0-7503-3655-0. Scope: textbook. Level: undergraduate. *Contemporary Physics*, 63(1):66–67, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Reid:2022:BRA

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[4224] Nikolaos E. Myridis. Book review: *Quantitative atomic-resolution electron microscopy* by Annick de Backer, Jarmo Fatermans, Arnold A. den Dekker and Sandra van Aert, vol. 217 of Advances in Imaging & Electron Physics, edited by Martin Hÿtch and Peter W. Hawkes, Elsevier, 2021, 294 pp., EUR139.13 (e-book), ISBN 978-0-323-85093-3. Scope: article collection. Level: researcher, scientist. *Contemporary Physics*, 63 (1):67–69, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[4225] Stephen H. Ashworth. Book review: *The science of learning physics* by José P. Mestre and Jennifer L. Docktor, Singapore, World Scientific, 2021, 212 pp., £50.00 (hardback), ISBN 978-981-12-2654-0. also available as softback and ebook. Level: teacher, specialist. Scope: review. *Contemporary Physics*, 63(1):69, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[4231] Thomas J. Bridges. Book review: *Mechanics of fluid deformations in rigid body rotations and plane channel F* by Oleg V. Troshkin, Singapore, World Scientific, 2021, 284 pp., £85 (hardback), ISBN 978-981-1230-51-6. Scope: monograph. Level: postgraduate, early career researcher, researcher. *Contemporary Physics*, 63(2):156, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[4232] Michael Belsley. Book review: *Virtual and real labs for introductory physics II: optics, modern physics, and electromagnetism* by Daniel Erenso, Bristol, UK, IOP Science, 2021, 380 pp., 90EUR (hardback), ISBN 978-0-7503-3713-7. Scope: textbook. Level: pre-university, undergraduate. *Contemporary Physics*, 63(2):156–157, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[4237] David L. Clements. Venus, phosphine and the possibility of life. *Contemporary Physics*, 63(3):180–199, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[4238] Darryl Z. Seligman and Amaya Moro-Martín. Interstellar objects. *Contemporary Physics*, 63(3):200–232, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[4240] Peter J. Dobson. Book review: *Bionanomaterials for environmental and agricultural applications* edited by Ravindra Pratap Singh and Kshitij RB Singh, Institute of Physics Publishing Ltd, 2021, £120 (hardback), ISBN: 978-0-7503-3863-9. Scope: review, reference. Level: general readership, advanced undergraduate, postgraduate, early career researcher, researcher, scientist. *Contemporary Physics*, 63(3):242, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Beauty:2022:BRB

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Huda:2022:BRT

[4242] Erin Ficrah Huda and Suci Indah Putri. Book review: *Tailored functional oxide nanomaterials: from design to multi-purpose applications* edited by Chiara Maccato and Davide Barica, Weinheim, Wiley, 2022, 512 pp., \$156.35 (hardback), ISBN 978-3-527-34759-9. Scope: textbook. Level: undergraduate, advanced undergraduate, postgraduate, researcher, scientist, engineer. *Contemporary Physics*, 63(3):243–244, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zutt:2022:BRC

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[4244] Jack Reid. Book review: *The physics of sound waves: music, instruments, and sound equipment*, second edition, by Panos Photinos, Bristol, IOP Science, 2021, 269 pp., \$50.00 (hardback), \$40.00 (e-book), ISBN: 978-0-7503-3539-3. Scope: textbook. Level: undergraduate. *Contemporary Physics*, 63(3):245, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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Esposito:2022:BRQ

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Reid:2022:BRT

[4249] Jack Reid. Book review: *Thermodynamics of complex systems: principles and applications* by Vladimir N. Pokrovskii, London, IOP Science, 2020, 321 pp., $190.00 (hardback), ISBN 978-0-7503-3449-5. Scope: textbook. Level: undergraduate. *Contemporary Physics*, 63(4):329, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Humaira:2022:BRF

[4250] Humaira and Erin Ficrah Huda. Book review: *Flexible supercapacitors: materials and applications* edited by Guozhen Shen, Zheng Lou and Di Chen, Hoboken, Wiley, 2022, 331 pp., $195.00 (hardback), ISBN 978-1-119-50616-4. Scope: textbook. Level: undergraduate, advanced undergraduate, postgraduate, researcher, scientist, engineer. *Contemporary Physics*, 63(4):329–330, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Falcone:2022:BRP

[4251] Francisco Falcone. Book review: *Printed and flexible sensor technology* by Subhas Mukhopadhyay and Anindya Nag, Bristol, IOP Publishing, 2021, 300 pp., $190.00 (hardback), ISBN: 978-0-7503-3439-6. Scope: reference. Level: postgraduate. *Contemporary Physics*, 63(4):330–331, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Hardi:2022:BRO

[4252] Anla Fet Hardi and Erin Ficrah Huda. Book review: *Organic solar cells: materials design, technology and commercialization* edited by Liming Ding, Weinheim, Wiley, 2022, 720 pp., $156.00 (hardback), ISBN 978-3-527-83366-5. Scope: textbook. Level: advanced undergraduate, postgraduate, researcher, scientist, engineer. *Contemporary Physics*, 63(4): 331–332, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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Bertolotti:2022:BRN

[4254] Mario Bertolotti. Book review: *Nanotechnology: trends and future applications* by Muhammad Bilal Tahir, Muhammad Rafique and Muhammad Sagir, Singapore, Springer International Publishing, 2021, 143 pp., $79.99 (e-Book), ISBN 978-981-15-9437-3. Scope: monograph. Level: non-specialists. *Contemporary Physics*, 63(4):333, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuan:2022:BRS

[4255] Miguel A. F. Sanjuán. Book review: *Set theory and its applications in physics and computing* by Yair Shapira, Singapore, World Scientific, 2022, 480 pp., £100 (hardback), ISBN: 978-981-12-6177-0. Scope: monograph. Level: advanced undergraduate, postgraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 63(4): 333–334, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zutt:2022:BRD

[4256] Nicholas Zutt. Book review: *Discovering the nature of light: the science and the story* by Norval Fortson, Seattle, USA, University of Washington, 2022, 220 pp., 68 USD (hardback), ISBN: 978-981-12-4959-4. Scope: general interest. Level: general readership. *Contemporary Physics*, 63(4): 334–335, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2022:BRE

[4257] A. H. Harker. Book review: *Energy materials* by Aliaksandr S. Bandarenka, Abingdon, Routledge Taylor & Francis Group, 2022, xv + 236 pp., £74.99 (e-book), ISBN: 978-0-367-45736-5. Scope: monograph. Level: postgraduate, advanced undergraduate, early career researcher. *Contemporary Physics*, 63(4):335–336, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Wandi:2022:BRC

[4258] Wandi Wandi and Fani Mardianti. Book review: *Cartoon physics: a graphic novel guide to solving physics problems* by Scott Calvin and Kirin Emlet Furst, Boca Raton, CRC Press, 2022, 273 pp., £31.99 (paperback), ISBN 978-1-138-59878-2. Scope: general interest. Level: general readership, undergraduate. *Contemporary Physics*, 63(4):336–337, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2022:BRP

[4259] A. H. Harker. Book review: *The physics of phonons*, 2nd edition, by Gyaneshwar P. Srivastava, Boca Raton, FL/Abingdon, UK, CRC Press, 2023, xxi+434 pp., £180 (hardback), ISBN 978-0-367-68526-3. Scope: monograph. Level: advanced undergraduate, graduate, early stage researcher. *Contemporary Physics*, 63(4):337, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sharma:2022:BRQ

[4260] Mohit Sharma. Book review: *Quantum transport in nanostructures and molecules: an introduction to molecular electronics* by Colin John Lambert, Bristol, IOP Publishing, 2021, 445 pp., $190 (hardback), $159 (e-book), ISBN: 978-0-7503-3639-0. Scope: review. Level: researcher. *Contemporary Physics*, 63(4):337–339, 2022. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[4263] Paolo Padovani and Michele Cirasuolo. The Extremely Large Telescope. *Contemporary Physics*, 64(1):47–64, 2023. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[4264] Michael Perryman. Space astrometry. *Contemporary Physics*, 64(1): 65–81, 2023. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[4265] Toni Shiroka. Book review: *Application-driven quantum and statistical physics: a short course for future scientists and engineers, Volume 3: Transitions* by Jean-Michel Gillet, London, World Scientific, 2020, £80 (E-Book), ISBN: 978-1-78634-788-6. Scope: textbook. level: undergraduate, advanced undergraduate, early career researcher, researcher, Bachelor and Master's level engineering and physics students. *Contemporary Physics*, 64(1):82–83, 2023. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Shiroka:2023:BRF

[4266] Toni Shiroka. Book review: *Fundamentals and applications of magnetic materials* by Kannan M. Krishnan, Oxford, Oxford University Press, 2020, 795 pp., £40 (Paperback), ISBN: 978-0-19-886204-8. Scope: reference, handbook. level: undergraduate, advanced undergraduate, postgraduate, early career researcher, researcher, scientist, engineers. *Contemporary Physics*, 64(1):83–84, 2023. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Zutt:2023:BRO

[4267] Nicholas Zutt. Book review: *An object-oriented Python cookbook in quantum information theory and quantum computing* by M. S. Ramkarthik and Pranay Barkataki, Boca Raton, FL, CRC Press, Taylor & Francis Group, 2023, 220 pp., 104 USD (hardback), ISBN: 978-1-032-25607-8. Scope: handbook. level: postgraduate. *Contemporary Physics*, 64(1): 84–85, 2023. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Belsley:2023:BRI

[4268] Michael Belsley. Book review: *Invitation to quantum mechanics* by Daniel F. Styer, Singapore, World Scientific Publishing Co. Pte. Ltd,

2022, 289 pp., £30 (e-book), ISBN: 978-981-12-4792-7; £40 (paperback), ISBN: 978-981-12-4928-0; £80 (hardback), ISBN: 978-981-12-4790-3. Scope: textbook. level: undergraduate. *Contemporary Physics*, 64(1):85, 2023. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2023:BRC

[4269] A. H. Harker. Book review: *Commonly Asked Questions in thermodynamics*, 2nd edition, by Marc J. Assael, Geoffrey C. Maitland, Thomas Maskow, Urs von Stockar, William A. Wakeham, and Stefan Will, Boca Raton, FL, USA and Abingdon, UK, CRC Press, 2022, xxiv + 461 pp., £170 (hardback), ISBN: 978-0-367-33891-6; ISBN: 978-1-032-27589-5 (paperback); ISBN: 978-0-429-32952-4 (e-book). Scope: textbook. level: advanced undergraduate, graduate, early stage researcher. *Contemporary Physics*, 64(1):86, 2023. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2023:BRO

[4270] A. H. Harker. Book review: *Offbeat physics: machines, meditations and misconceptions*, edited by P. I. C. Teixeira, Boca Raton, FL, and Abingdon, UK, CRC Press, 2022, xvi + 258 pp., £99.99 (hardback), ISBN: 978-1-032-02116-4; ISBN: 978-1-032-03393-8 (paperback); ISBN: 978-1-003-18710-3 (e-book). Scope: article collection. level: undergraduate. *Contemporary Physics*, 64(1):86–87, 2023. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2023:BRE

[4271] Stephen J. Blundell. Book review: *Elementary Introduction to Quantum Geometry* by Jan Ambjorn, Abingdon, CRC Press, 2023, 292 pp., £74.99 (hardcover), ISBN: 978-1-032-33555-1. Scope: textbook. level: researcher. *Contemporary Physics*, 64(1):87, 2023. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Dobson:2023:BRT

[4272] Peter J. Dobson. Book review: *Transition metal oxides for electrochemical energy storage*, edited by Jagit Nanda and Veronica Augustyn, Chichester, UK, Wiley, 2022, 432 pp., £138.99 (e-Book), ISBN: 978-3-527-34493-2. Scope: review, reference, monograph. level: advanced undergraduate, postgraduate, early career researcher, researcher, teacher, specialist, scientist, engineers. *Contemporary Physics*, 64(1):87–88, 2023. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Blundell:2023:BRD

[4273] Stephen J. Blundell. Book review: *Density functional theory: a practical introduction*, 2nd edition, by David S. Sholl and Janice A. Steckel, Hoboken, NJ, Wiley, 2023, 204 pp., £91.25 (hardcover), ISBN 978-1-119-84086-2. Scope: textbook. level: graduate student, researcher. *Contemporary Physics*, 64(1):88, 2023. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2023:BRS

[4274] A. H. Harker. Book review: *So simple a beginning: how four physical principles shape our living world*, by Raghuveer Parthasarathy, Princeton, NJ, USA and Woodstock, Oxfordshire, UK, Princeton University Press, 2022, x + 326 pp., £30 (hardback), ISBN: 978-0-691-20040-8; £30 (e-book), ISBN: 978-0-691-23161-7. Scope: general interest. level: general reader. *Contemporary Physics*, 64(1):88–89, 2023. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Beauty:2023:BRL

[4275] Aras Beauty and Bimo Bramantio. Book review: *Life in the universe*, 5th edition, by Jeffrey Bennett, Seth Shostak, Nicholas Schneider and Meredith MacGregor, Princeton, Princeton University Press, 2022, 544 pp., £84.00 (e-book), ISBN: 978-0-691-24178-4. Scope: review. level: general readership, undergraduate, advanced undergraduate, postgraduate, early career researcher, researcher, teacher, scientist, engineers. *Contemporary Physics*, 64(1):89–90, 2023. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Sanjuxen:2023:BRW

[4276] Miguel A. F. Sanjuán. Book review: *When things grow many. Complexity, universality and emergence in nature*, by L. S. Schulman, Oxford, UK, Oxford University Press, 2022, 304 pp., £45 (hardback), ISBN: 978-0-19-886188-1. Scope: monograph. level: advanced undergraduate, postgraduate, early career researcher, researcher, specialist, scientist. *Contemporary Physics*, 64(1):90–91, 2023. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[4277] Oliver Buchmueller, John Ellis, and Ulrich Schneider. Large-scale atom interferometry for fundamental physics. *Contemporary Physics*, 64(2): 93–110, 2023. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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[4278] S. J. Clark and Z. Hawkhead. Non-collinear spin in electronic structure calculations. *Contemporary Physics*, 64(2):111–126, 2023. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Lancaster:2023:QSL

[4279] Tom Lancaster. Quantum spin liquids. *Contemporary Physics*, 64(2): 127–146, 2023. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Pedernales:2023:OFS

[4280] Julen S. Pedernales and Martin B. Plenio. On the origin of force sensitivity in tests of quantum gravity with delocalised mechanical systems. *Contemporary Physics*, 64(2):147–163, 2023. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Harker:2023:BRI

[4281] A. H. Harker. Book review: *Introduction to the mathematical physics of nonlinear waves*, 2nd edition, by Minoru Fujimoto, Bristol, UK, IOP Publishing, 2021, xv + 165 pp., £75.00 (hardback), ISBN: 978-0-7503-3757-1 (hbk); 978-0-7503-3760-1 (myPrint); 978-0-7503-3759-5 (ebook); 978-0-7503-3758-8 (mobi). Scope: textbook. level: advanced undergraduate, graduate. *Contemporary Physics*, 64(2):164, 2023. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Peters:2023:BRS

[4282] Thomas Peters. Book review: *Statistical and thermal physics: with computer applications*, 2nd edition by Harvey Gould and Jan Tobochnik, Princeton and Oxford, Princeton University Press, 2021, 528 pp., £75.00 (hardback), ISBN 978-0-691-20189-4. Scope: text book. level: undergraduate. *Contemporary Physics*, 64(2):164–165, 2023. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Jamil:2023:BRH

[4283] M. Jamil. Book review: *High school and undergraduate physics practicals with 3D simulations*, 1st edition by Robert Lucas, UK, Taylor & Francis Group, CRC Press, 2022, 246 pp., 148 illus., $64 (£39) (Paperback), ISBN: 978-1-032-19739-5, ISBN: 978–1-032-2029-0. Scope: monograph. level: high school & undergraduate students, lecturers, researchers. *Contemporary Physics*, 64(2):165, 2023. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Beauty:2023:BRB

[4284] Aras Beauty and Fitri Natalia. Book review: *Bioelectromagnetism history, foundations and applications*, by Shoogo Ueno and Tsukasa Shigemitsu, Boca Raton, CRC Press, 2022, 346 pp., EUR150.00 (hardback), ISBN 978-1-032-00121-0. Scope: textbook. level: advanced undergraduate, postgraduate, researcher, scientist. *Contemporary Physics*, 64 (2):166, 2023. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

Gangopadhyay:2023:BRS

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