A Complete Bibliography of the *Journal of Number Theory* (2010–2019)

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06 April 2024
Version 1.08

Title word cross-reference

$(1^3 + q^3)(2^3 + q^3) \cdots (n^3 + q^3)$ [2054]. $(1^\ell + 1)(2^\ell + 1) \cdots (n^\ell + 1)$ [764, 1080]. $(1^k + 1)(2^k + 1) \cdots (n^k + 1)$ [569]. $(1^\mu + 1)(2^\mu + 1) \cdots (n^\mu + 1)$ [24]. $(2, 3)$ [2480]. $(5, 5)$ [1319]. (a, b) [2310]. $(a^2cx^k - 1)(b^2cy^k - 1) = (abcz^k - 1)^2$ [1335]. $(\{a_n\alpha\})_{n\geq 1}$ [2488]. $(ax^k - 1)(by^k - 1) = abz^k - 1$ [925]. (χ, b) [1520]. $(d \geq 4)$ [1204]. (ℓ_1, ℓ_2) [1475]. $(k + 1)$ [1838]. $(m^2 - 1)^r + b^2 = c^2$ [1323]. $(m^2 - 1)^x + b^y = c^z$ [1323]. $(\mathbf{GSp_4}, \mathbf{GL_{2\times_{GL_1}}GL_2})$ [2121]. $(\mathrm{Sp_{4n}(F)}, \mathrm{Sp_{2n}(E)})$ [194]. $(n\alpha)$ [328]. (ϕ, Γ) [2638]. (ρ, q) [1799]. $(S, \{2\})$ [1426, 2509]. (s, t) [1798]. $(\varphi, \hat{G})$ [849]. (φ, N) [1590]. $(x + 1)^k + (x + 2)^k + \cdots + (2x)^k = y^n$ [2131]. -1 [2446]. -2 [1493]. -3 [1260]. 0 [1669, 2375]. 1 [55, 214, 285, 381, 536, 788, 901, 1248, 1281, 1669, 1701, 1891, 2124, 2189, 2438, 2451]. $1 + 2^a + x^b = y^n$ [1043]. $\{1, k^2 + 1, k^2 + 2k + 2\}$ [230]. $1/\pi$ [548, 746, 824, 2254]. 10 [842, 2156]. 11 [995]. 13 [975, 1110, 2007]. 14 [1451]. 16 [1614]. $16p^2$ [419]. $1^k + 2^k + \cdots + x^k = y^n$ [1571]. $1^k + \cdots + x^k = y^n$ [1359, 1627]. 2 [112, 213, 273, 285, 286, 325, 430, 572, 605, 618, 637, 662, 664, 688, 726, 818, 846,

989, 999, 1011, 1030, 1275, 1319, 1322, 1339, 1381, 1402, 1496, 1499, 1523, 1594, 1788, 1789, 1876, 1878, 1900, 1916, 1992, 2001, 2012, 2028, 2051, 2075, 2079, 2088, 2139, 2162, 2181, 2189, 2214, 2358, 2369, 2370, 2374, 2438, 2580, 2588, 2611]. 20 [2254]. 21 [632]. 23 [2214]. 25 [2214]. 27 [1800]. 2^a [1044]. $2^m + nx^2 = y^n$ [567]. $2d + 1$ [1204]. $2k$ [2019, 2468]. $2p$ [515]. 3 [75, 214, 217, 262, 726, 790, 843, 890, 972, 1011, 1030, 1034, 1192, 1242, 1521, 1590, 1778, 1889, 1956, 2189, 2200, 2309, 2438, 2558, 2582]. 3/2 [768, 994, 1471]. 34 [1260]. 36 [381]. 3^n [1436]. $3^\tau \cdot 2$ [1978]. $3k$ [2468]. $3p^{n+1}$ [653]. $3x+1$ [1226]. 4 [262, 381, 1088]. 5 [973, 1207, 1402, 1788, 2230, 2518]. 6 [1198, 2156, 2189, 2539]. 64 [2170]. 7 [1011, 1321, 1451, 1487, 1586, 2479]. 72 [125, 1533]. 8 [2295, 2480]. 9 [381, 1030, 1189, 1357]. > 3 [650]. $[0,1]^d$ [2272]. ${}_3F_2$ [1324]. $A!B! = C!$ [2227]. A [497, 749, 1033, 1048, 1245, 1657, 1765, 1854, 2601]. $a(n,k)$ [355]. $A(q)$ [816]. $A + A$ [2532]. $A + A + A$ [497]. $A + B$ [146]. A_m [456]. A_n [1639]. AAA [2532]. α [255, 1452, 2124, 2496]. $\alpha p^\gamma + \beta$ [1941]. B [1671, 1718]. B^+_{dR} [134]. $\overline{\mathrm{Spec}}(\mathbf{Z})$ [1561]. β [855, 1669, 1979, 2554]. $\binom{2k}{k}^2\binom{3k}{k}$ [709]. mod1 [1308, 1840]. mod11 [979]. mod2 [1131]. mod3 [83]. mod4 [2241]. modℓ [321, 1859]. mod$l$ [1943]. mod$\mathcal{P}^{\Updownarrow}$ [608]. mod$\mathbf{p^m}$ [57]. mod$n$ [867]. mod$p$ [466, 1018, 1033, 1165, 1358, 2263, 2449]. modp^n [866]. mod$\wp$ [1470]. C [18]. C_1 [2585]. C_m[ltimes]$_\phi C_{mn}$ [2470]. C_q[rtimes]$_s C_m$ [2609]. D [32, 1204, 1279, 1604, 1808, 2091]. $D(-1)$ [230]. $D(1)$ [230]. $D(4)$ [2384]. $D(n)$ [2159]. D_n [554]. Δ [1384]. $\Delta(\mathrm{prime})^2$ [1384]. $\Delta_{\overline{\mathcal{O}(\Updownarrow)}_\infty}$ [863]. E [706, 899, 1168]. e^γ [1536]. ℓ [646, 720, 828, 829]. $\epsilon(k)$ [1885]. $er = p - 1$ [1642]. F [582, 1012, 1713]. $f(p + q + n_0) = f(p) + f(q) + f(n_0)$ [1641]. F_4 [2506]. $\frac{n+3}{2}$ [2537]. G [893, 1915]. g^2 [2124]. Γ [14, 542, 1561, 2466]. $\Gamma^*(k)$ [359]. $\Gamma_0(2)$ [2612]. $\Gamma_0(3)$ [2250]. $\Gamma_0(\mathbf{p})$ [1027]. $\Gamma_0(N)$ [2296]. $\Gamma_0(p^\alpha)$ [245]. $\Gamma_0^+(2)$ [1673]. $\gamma_\alpha(z)$ [602]. h [1373]. $H(\sqrt{N})$ [111]. j [58, 1261, 1280]. K [355, 482, 598, 659, 688, 803, 811, 982, 1247, 1282, 1312, 1338, 1542, 1661, 1718, 1730, 1763, 1992, 2167, 2230, 2259, 2430]. $k(t)$ [1225]. $k + l$ [2468]. $k/12$ [2348]. $K3$ [122, 261, 262, 2309]. $k = mp^s$ [1282]. K_2 [1104]. $ka^x + lb^y = c^z$ [2233]. L [40, 65, 84, 168, 182, 219, 245, 249, 268, 292, 296, 301, 312–314, 320, 326, 342, 347, 384, 387, 407, 468, 503, 524, 586, 621, 645, 666, 668, 671, 766, 769, 880, 884, 905, 978, 1017, 1031, 1035, 1040, 1081, 1093, 1114, 1120, 1162, 1167, 1170, 1184, 1217, 1228, 1301, 1345, 1368, 1387, 1416, 1465, 1488, 1498, 1536, 1694, 1705, 1764, 1802, 1858, 1859, 1865, 1909, 1920, 1938, 1973, 2004, 2091, 2096, 2117, 2118, 2140, 2158, 2211, 2212, 2223, 2243, 2258, 2278, 2285, 2288, 2300, 2316, 2322, 2380, 2425, 2437, 2451, 2471, 2508, 2529, 2575, 2583, 2611, 2616, 2621, 2626, 2635]. L [68, 101, 110, 251, 408, 414, 555, 742, 851, 983, 991, 1032, 1299, 1380, 1555, 1616, 1693, 1809, 2021, 2312, 2388, 2426, 2591]. $L(1,\chi)$ [1969]. $L(1,\chi_s)/\Pi$ [2231]. $L(1/2, f \times \chi_q)$ [705]. $L(\frac{1}{2},\chi)$ [581, 775]. $L(\frac{1}{2},\chi_d)$ [2464]. $L(\frac{1}{2}, \mathrm{Sym}^2 \mathrm{f} \times \mathrm{g}$ [2649]. $L(\frac{1}{2}, \mathrm{Sym}^2 \mathrm{f} \times \mathrm{g})$ [2557]. $L^2(\Gamma \setminus \mathrm{Sp}(2,\mathbf{R}))$ [822]. L_2 [1671]. $L_n^{(-1-n-r)}(x)$ [2133]. $L_n^{(\frac{1}{2}+u)}(x)$ [1480]. $L_\odot(\beta)$ [2020]. Λ [542, 965, 1174, 1243]. $\Lambda^2\Lambda^-$ [363]. $\lambda_1 x_1^{k_1} + \cdots + \lambda_t x_t^{k_t} \equiv c \bmod n$ [2224]. $[-m, n]$ [2584]. $\lfloor n^c \rfloor$ [520]. lm [148].

$\log 3$ [1037]. m [456, 477, 544, 580, 867, 1750, 2188]. M_2 [1674]. $M_{2k}(\Gamma_0(N))$ [2416]. $\mathbf{C}$ [782]. $\mathbf{F}_2$ [923]. $\mathbf{F}_2[T]$ [722]. $\mathbf{F}_p$ [2458, 2528]. $\mathbf{F}_p(t)$ [1047]. $\mathbf{F}_q$ [2354]. $\mathbf{F}_q((x^{-1}))$ [2020]. $\mathbf{F}_q(T)$ [241, 2234]. $\mathbf{F}_q[[T]]$ [976]. $\mathbf{F}_q[t]$ [86, 974, 1213]. $\mathbf{F}_q^2$ [2062]. $\mathbf{G}_m \setminus \mu_N$ [1491]. $\mathbf{N}^d$ [1174]. $\mathbf{N}^r$ [2232]. $\mathbf{P}^2$ [398]. $\mathbf{P}^N$ [2282, 2400]. $\mathbf{Q}$ [275, 720, 1158, 1383]. $\mathbf{Q}(i\sqrt{2})$ [364]. $\mathbf{Q}(\zeta_{p^n+1})^+$ [1488]. $\mathbf{Q}_p$ [606]. $\mathbf{R}^d$ [2325]. $\mathbf{U}_4(\mathbf{F}_p)$ [1942]. $\mathbf{Z}/3$ [1767]. $\mathbf{Z}/m\mathbf{Z}$ [1053]. $\mathbf{Z}[i]$ [121]. $\mathbf{Z}^3$ [231]. $\mathbf{Z}_2$ [1281, 1756]. $\mathbf{Z}_l$ [1104]. $\mathbf{Z}_p$ [226, 228, 457, 859, 1263, 1837, 2243, 2249]. $\mathbf{Z}_p^d$ [2581]. $\mathbf{Z}_p^n$ [542]. $\mathbf{Z}_{p_1} \times \cdots \times \mathbf{Z}_{p_s}$ [720]. $\mathbf{P^n}(\mathbf{C})(\mathbf{n} \geq \mathbf{1})$ [2297]. $\mathbf{Q}$ [800]. $\mathbf{Z_m}$ [64]. $\mathbf{Z_p}$ [2236, 2368]. $\mathcal{D}$ [672]. $\mathcal{F}_{\infty,\in}$ [1342]. $\mathcal{H} \times \mathbf{C}^{(\},\infty)}$ [2391]. $\mathcal{I}_{]}^{(\Pi)}$ [2120]. $\mathcal{L}$ [1185]. $\mathcal{P}$ [1489]. $\mathbf{gl(n)}$ [1147]. $\mathbf{p}$ [323, 1938]. $\mathbf{v}$ [929]. $GL(2)$ [485, 1380, 2035]. $GL(3)$ [192, 320, 1220]. $GL(3) \times GL(2)$ [320]. GL_2 [621]. GL_m [1228]. $GL_m(D)$ [823]. $SL(2, \mathbf{C})$ [1132]. $SL(2, \mathbf{Z}[i])$ [1000]. $SL_2(\mathbf{Q}_p)$ [693, 2489]. $SL_m(\mathbf{Z})$ [1587]. $SO_0(m, 2)$ [555]. $SO_{2n} \times GL_n$ [147]. $Sp(4)$ [1139]. $\mathrm{Gal(k((t))/k)}$ [1638]. $\mathrm{Gal(K_2^{(2)}/K)}$ [1992]. GCF_ϵ [1885]. GL(2) [1509, 1621]. GL(2, D) [1279]. $\mathrm{GL(2, \mathbf{F}_q[T])}$ [1696]. GL(3) × GL(2) [2113]. GL(4) [825, 1131]. GL(4) × GL(2) [2626]. GL(n) [1144, 1559, 2134]. GL(r) [1535]. GL(r) × GL(r + s) × GL(s) [879]. $\mathrm{GL_2}$ [778, 1897, 1938]. $\mathrm{GL_2(A)}$ [1027]. $\mathrm{GL_2(F)}$ [1018]. $\mathrm{GL_n}$ [1529, 2212]. $\mathrm{GL_n(F)}$ [1482]. $\mathrm{GO_4}$ [1518]. GSp(4) [920, 1134]. GSp(4, F) [2426]. $\mathrm{GSp_4}$ [2072, 2493]. lcm(a, b, c) ≤ 6 [1729]. PGL(2) [623]. PGL(2, F) [633]. $\mathrm{PSL_2}$ [2371]. $\mathrm{PSL_2(\mathbf{R})^n}$ [751]. $\mathrm{PSL_4(\mathbf{Z})}$ [394]. Res < 1/2 [875]. $\mathrm{SL(2, \mathbf{Z})}$ [2324]. $\mathrm{SL(n, \mathbf{Z})}$ [1316]. $\mathrm{SL_2}$ [1460, 1556]. $\mathrm{SL_2(\mathbf{Z})}$ [2274]. $\mathrm{SL_n}$ [2256]. $\mathrm{SL_n(\mathbf{A})}$ [2338]. $\mathrm{SO_4}$ [2604]. Sp(4, F) [2487]. $\mathrm{Sp_{2m} \times Sp_{2n}}$ [229]. $\mathrm{Sp_4}$ [2604]. U(1) [680]. U(1, 1) [680]. $\mathrm{U_2}$ [2604]. $M \setminus L$ [2396]. μ [904]. $\mu = 0$ [1822]. N [353, 355, 482, 531, 589, 604, 807, 1243, 1351, 1502, 1657, 1777, 1914, 2159, 2242, 2425]. $n/\varphi(n)$ [588]. $N = 2, 3, 4, 6, 8$ [1491]. $n = p^\alpha q^\beta$ [862]. $n = x^2 + Ny^2$ [111]. $n^2 = x^2 + by^2 + cz^2$ [649]. $nx^2 + 2^{2m} = y^n$ [327, 1001]. $NX^2 + 2^L 3^M = Y^N$ [1016]. Ω [63, 1316, 2551]. P [2, 14, 55, 65, 91, 243, 285, 298, 309, 331, 349, 372, 374, 457, 478, 492, 512, 525, 542, 593, 635, 690, 693, 702, 707, 733, 754, 757, 788, 819, 829, 837, 866, 869, 877, 881, 885, 892, 905, 912, 924, 957, 990, 993, 1013, 1023, 1081, 1087, 1091, 1183, 1208, 1268, 1279, 1301, 1310, 1412, 1433, 1435, 1474, 1488, 1503, 1556, 1558, 1655, 1668, 1726, 1735, 1738, 1751, 1765, 1775, 1786, 1805, 1811, 1842, 1846, 1874, 1875, 1902, 1927, 1957, 1965, 1966, 1970, 2040, 2072, 2083, 2091, 2236, 2239, 2300, 2323, 2373, 2412, 2415, 2453, 2502, 2526, 2552, 2581, 2614, 2630]. p [154, 251, 539, 1190, 1352]. $p + 1 | n + 1$ [1155]. $p + 2^\ell$ [2606]. $p = 2$ [949, 2622]. $p = a^2 \pm ab \pm b^2$ [1668]. $p = x^2 + 3y^2$ [791]. p^2 [419, 837, 1282]. p^3 [1282, 1297]. p^ℓ [258]. p^n [1383]. $\Phi_T(X, Y)$ [311]. π [358, 906, 967]. π^{-2} [1443, 1882]. π^4 [1997]. π^6 [1997]. $\pm ra^x \pm sb^y = c$ [293]. $px^2 + q^{2m} = y^p$ [7, 189]. $px^2 + q^{2n} = y^p$ [336]. Q [40, 413, 647, 819, 836, 844, 900, 1111, 1281, 1296, 1386, 1464, 1511, 1743, 1880, 1887, 1904, 1914, 1967, 2066, 2140, 2512, 2534]. $q + 1$ [2062]. r [22, 1661, 1974, 2269, 2499]. S [47, 133, 963, 1460, 1605, 1894, 2092, 2093, 2436]. $s = -1$ [1045]. $s = 0$ [516]. $s = 1$ [671]. $s = 1/2$ [1536]. $S_3(\Gamma_0(24), \chi)$ [2189]. $S_3(\Gamma_2(2, 4, 8))$ [407]. S_4 [2460]. $S_n(\sigma, t)$ [2516]. [*Cyrillicsha*] [236, 379]. $\sigma(n)/n$ [588]. $\sum_{ak+bl+cm=n} \sigma(k)\sigma(l)\sigma(m)$ [1729]. $\sum_{i=1}^{11} \frac{1}{x_i} = 1$ [732]. $\sum_{n=1}^{\infty} \sigma_k(n)/n!$

[275]. $\sum_{r=1}^{\tau} e(a2^r/q)$ [566]. T
[537, 722, 861, 984, 1167, 1343, 1672, 1696, 1830, 2053, 2100, 2223, 2422].
$t^2 = G(x, y, z)$ [1454]. θ [1801, 2402, 2551]. θ_{10} [1327]. U [1336, 1480]. $U(2, 1)$
[2412]. $U(3) \times U(2)$ [1645]. $U(n)$ [1611]. $U(n, 1)$ [1749]. U_p [55]. Υ [1203]. v
[537, 820]. $\varphi(n)$ [1506]. φ^4 [2160]. $\|e^n\|$ [139]. w [432, 716]. X
[1571, 2588, 2589]. $x(ax + 1) + y(by + 1) + z(cz + 1)$ [1814].
$x(ax + b) + y(ay + c) + z(az + d)$ [1814]. $x^2 + ny^2$ [74]. $x^2 - (a^2 - 1)y^2 = 1$
[2150]. $x^2 - 24y^2 = 1$ [1157]. $X_0^*(p)$ [2420]. $x^d + ax$ [1498]. $x^n - 1$ [1700, 1774].
$x^q = a$ [606]. $X_0(N)$ [817, 2579]. $X_0(p)$ [55]. $X_0^+(37M)$ [181]. $X_0^+(N)$ [2183].
$x_1^2 + 2x_2^2 + x_3^2 + x_4^2 + x_1x_3 + x_1x_4 + x_2x_4$ [395]. $x_1^2 + \cdots + x_k^2 \equiv \lambda(\mathrm{mod} n)$
[2521]. $x_1x_2 \equiv x_3x_4(\mathrm{mod} m)$ [67]. $x_1x_2 \equiv x_3x_4 \bmod q$ [2041]. $X_2(2)$ [2582].
$x \equiv 1 \bmod N$ [74]. Ξ [1256, 1731]. $X \mapsto K \cdot (X + X^{-1})$ [1038]. $X \mapsto X + X^{-1}$
[686]. $y^2 + xy - t^d y = x^3$ [1714]. $y^2 - pz^2 = 1$ [1157, 2150]. $y^2 = x^3 + n$ [435].
$y^2 = x^3 - nx$ [712]. $y^n = x^m + x$ [1098]. $y^q = x^p + a$ [1118]. $y \equiv 0 \bmod N$ [74].
Z [1896, 2164]. $z^2 = f(x)^2 \pm g(y)^2$ [1899]. $Z_{p^2}^*$ [196]. $\zeta(2)$ [1116].
$\zeta(\{\{2\}^m, 1, \{2\}^m, 3\}^n, \{2\}^m)/\pi^{4n+2m(2n+1)}$ [1230]. $\zeta(3)$ [1116]. $\zeta(s)$
[248, 1643, 2173]. $\zeta'(s)$ [541, 1643]. $|\zeta(\frac{1}{2} + it)|$ [1197].

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-dimensional [32, 133, 430, 604, 1487, 1956]. **-divisible** [967]. **-division** [790, 2518]. **-eigenspaces** [1248]. **-elliptic** [672]. **-expansion** [1669, 1979].
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[91, 226, 457, 859, 924, 1104, 1263, 1837, 1942, 2236, 2249, 2369]. **-factors** [1520, 2426, 2466]. **-family** [1048]. **-fields** [2585]. **-fold** [982, 1357, 2582].
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-Frobenius [1464, 1743]. **-function** [251, 296, 342, 387, 432, 766, 893, 905, 983, 991, 1217, 1256, 1280, 1731, 1896, 1915, 2164]. **-Functions**

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Anonymous:2016:PN

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Anonymous:2016:EBk

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Anonymous:2017:PMa

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Anonymous:2017:EBc

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[1848] Nurdagül Anbar, Alp Bassa, and Peter Beelen. Corrigendum to "A modular interpretation of various cubic towers" [J. Number Theory **171** (2017) 341–357]. *Journal of Number Theory*, 172(??):416, March 2017. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022314X16302682`. See [1817].

Anonymous:2017:PAa

[1849] Anonymous. Pages 1–632 (April 2017). *Journal of Number Theory*, 173 (??):1–632, April 2017. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic).

Anonymous:2017:EBd

[1850] Anonymous. Editorial Board. *Journal of Number Theory*, 173(??): ifc, April 2017. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022314X16303031`.

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[1853] Alexandru Buium and Emma Previato. Arithmetic Euler top. *Journal of Number Theory*, 173(??):37–63, April 2017. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022314X1630258X`.

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[1855] Dan Ismailescu, Lenny Jones, and Tristan Phillips. Primefree shifted Lucas sequences of the second kind. *Journal of Number Theory*, 173(??): 87–99, April 2017. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022314X16302505`.

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[1858] Masanari Kida and Norihiko Namura. On Artin L-functions of certain central extensions. *Journal of Number Theory*, 173(??):147–169, April 2017. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022314X16302657`.

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[1859] Pin-Chi Hung. On the non-vanishing modℓ of central L-values with anticyclotomic twists for Hilbert modular forms. *Journal of Number Theory*, 173(??):170–209, April 2017. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022314X16302475`.

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[1862] Victor Bautista-Ancona, Javier Diaz-Vargas, and José Alejandro Lara Rodríguez. Imaginary quadratic function fields with ideal class group of prime exponent. *Journal of Number Theory*, 173(??):243–253, April 2017. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0022314X16302554`.

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Anonymous:2018:PJb

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Anonymous:2019:EBd

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Anonymous:2019:PAb

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Anonymous:2019:EBh

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