A Bibliography of Publications about the Google PageRank Algorithm

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30 September 2024
Version 1.167

Title word cross-reference

0 [Sob03]. 2.7 [Mol02]. **$25** [BL06b]. α [CTWZ09]. C^3 [PPM+17]. k [GPC08, SYJ+19]. M [HM15]. N [ZQL+07]. r [XZ09]. T [AGN06]. $\tilde{O}(\min d_t, \sqrt{m})$ [WW23].

-index [PPM+17]. **-PageRank** [AGN06]. **-sensitivity** [CTWZ09]. **-splitting** [HM15]. **-step** [ZQL+07].

/ACM [Z+04]. **/WIC** [L+03].

'06 [BZ06, IEE06g, IEE06e, N+06]. **'07** [IEE07i, IEE07b]. **'08** [IEE08c, M+08].

1 [IT08a]. **11-12** [BC07]. **11th** [Ano02, BMY05]. **12th** [FYZ06, IEE03]. **14th** [IEE06f, IEE05a]. **18th** [TW07, Bar04]. **1st** [IEE07d].

2 [IT08b]. **2001** [ACM01, Bah01, C+01]. **2002** [Ano02, W+02]. **2003** [C+03, H+03, HW03, Tom03, YS+03]. **2005** [NND+05]. **2006** [IEE06a, IEE06h, IEE06c, IEE06b, N+06, ZL06]. **2007** [IEE07h, IEE07a, N+07, TW07]. **2008** [IEE08b, LL08]. **2009** [Soh09]. **21st** [IEE07g, IEE07b]. **22nd** [BZ06]. **24th** [C+01]. **25th** [IEE05b]. **27** [WW08]. **29th** [LS07]. **2nd** [Gho04, WHS+06, IEE07c].

3rd [FG07, WHS+06].

47th [IEE06d, IEE08a]. **4th** [yCCZ07].

5th [BC07].

6th [ADL09, Per06].

7th [MPW+07].

8th [FG07, WHS+06].

9th [IEE07e, IEE06e].

A-PageRank [ZbXF08]. **academic** [MD19, ZMW+18]. **accelerated** [JWSG22, LLPC23, McS05, SSCW22, YYN12, ZHWS16]. **Accelerating** [KHMG03b, MT20, WZW13]. **Acceleration** [DSD09, GCF+20, BK13, BRZ06, Zho12]. **accelerator** [YXC+11]. **Access** [GRP07]. **accuracy** [ZFCY13]. **accuracy-aware** [ZFCY13]. **ACIS** [FG07]. **ACM** [ACM08, C+01, LL08, L+07, N+06, Sko05, Z+04]. **ACM-SIAM** [ACM08]. **ACP** [SLF+11]. **Acquisition** [M+05]. **acting** [Dje07]. **activity** [WB09]. **Ad** [Mas07]. **adaptable** [TZ03]. **Adapted** [ATV16, BS23]. **Adaptive** [DMM+08, KHG04b, KHG04a, NP09a, PT08, PCD15, RM06, WHY+21]. **adaptively** [WHS23, YYN12]. **ADCOM** [IEE06f]. **Adding** [YLL05]. **Address** [CG15]. **Advanced** [Bar04, Cli10, IEE06f, IEE06j, IEE07b, OBB07, DWH+15]. **advances** [AB14, Per06, Yu09]. **Advertising** [ZWXZ12]. **Age** [Dje07]. **Aggregating** [AB06]. **Aggregation** [DMM+08, BLMP04, BLMP06, ITBD09, ITB10, LM04b, ZYL05]. **aggregation-disaggregation** [ZYL05]. **AINA** [Bar04, IEE07b]. **Aizu** [MPW+07]. **Aizu-Wakamatsu** [MPW+07]. **Algebra** [BL06b, KBK05, MOG06]. **Algorithm** [BYG07, BB12, CGW09, CXLH10, Chu09, EKU22, GZ08, HQYfZ06, IK05, JZM+09, KL02, DLS08, LY08, LYX12, MCW10, PMKY23, PHW10, QJT07, QX10, Reb12b, RM05, SP20, TP08, WZM10, WWJ12, WZW13, XG04, YWX+07, ZXZ11, ZL08, ZZB09, AOTV12, AC07, Aug08, BK13, Ber06, CKS11, CXMR07, DWH+15, GWR09, GG06, GP07b, GW17, GJSC18, GLC22, Hav03, HWH+21, HGW24, IR04, IK06, JW10, JWSG22, LGZ07, Lev10, LJR09, LG10, MR05, MS05, MBM09, MRS+01, Miy18, NP09a, NP09b, NP09c, PT08, PWZW15, SLF+11, SW06, TZ03, TVY21, WB09, WHY+21, WW07, WW10a, YC05, YH09b, ZZL08, ZXLL10, ZjRZ+10, ZTYZ23, ATV16, BS23]. **Algorithm-Based** [SP20]. **algorithme** [RSA09a]. **Algorithmic** [VS19b]. **algorithmics** [DHX09]. **Algorithms** [ACM08, ANTT02, IT10, Mac12, ME11, Naz10, WYW+19, WZW10, AMM14, BYBC06, BFS03, CTX11, FRCS05, GPC08, HCWW21, HCH07b, HCH07a, ITB10, Kam10, MP18, NZJ01, TLD22, A+08, ADL09, BC07, Leo04]. **Allocation** [CHH12]. **alpha** [CG10]. **ALPIT** [OBB07]. **AMD** [WWS+10]. **American** [Leo41]. **among** [ALP07]. **Amy** [Dje07, Kap08]. **Anal** [WW08]. **Analgesics** [YWX+07]. **analitico** [Tud08]. **Analysis** [AKL18, CC07, DZH+04, DLL12, IO18, IK05, JZM+09, NNH+07, Pre02, WZW10, BDR09, CTW+02, CSC10, DN11, DHH+02, DHH+03, EV07, HCW+07, IR04, IK06, IW06, KCN07, KBK05, Leo41, LLVX20, LM05c, MGZ08, MK19, MBHG05, NZJ01, RR17, SBC+06, YJZZ23]. **analytic** [Tud08]. **analytical** [HKJ03]. **Analytics** [Cli10, LTT10]. **anatomy** [BP98, BP12]. **Anderson** [LLPC23]. **Angeles** [IEE09b]. **Annual** [ACM08, C+01, Gho04, IEE06d]. **Appl** [WW08]. **Application** [BGJ06, DMM+08, HGW24, WZM10, YZZZ08, ZYY07, Leo41, MTF04, NP09a, NP09b, NP09c, Naz10]. **Applications** [Bar04, BGH+04, H+05b, H+03, IEE04, IEE07b, IEE07a, IEE07i, TW07, TFP06,

yCCZ07, Per06, Sid08, Wu08]. **Applied** [D+07, Reb12a]. **Apply** [LY08]. **Applying** [Din11a, JZM+09, JB08a]. **appraisal** [SLF+11]. **Approach** [GZB04, Guo07, KK06, hLqL07, MRM07, PKLK09, WL07, AM21, AT10, ALP08, BDR10, CCLL14a, DPSK06, FBFM07, IR04, IT08a, IT08b, McS05, Naz10, OTM03, PGRC18a, PCD15, TD11, YJZZ23, ZSZ05, ZSW06]. **approaches** [HKJ03]. **Approximate** [WYW+19, GMS05, PCD+08, WTX+16, WWZ19]. **Approximating** [FBFM08, GP06, GP07a, ME11]. **Approximation** [LL24, BYM08a, BYM08b, BCS05, BRZ06, BLMP04, BLMP06, PDMW06, PCD+08, ZFCY13, ZFCY15]. **approximations** [MBDC15]. **April** [BZ06, IEE06a, IEE06h, IEE08b, IEE09b]. **Architectural** [TP08]. **architecture** [MGM08a]. **Arizona** [Bah01]. **Arnoldi** [GG06, GW17, HWH+21, JW10, LEA15, MT20, WHY+21, WW07, WW10a, WW10b, WZW13, YYN12]. **Arnoldi-extrapolation** [WW10a]. **Arnoldi-Type** [WZW13, GG06]. **arrangements** [HMC12]. **art** [HCH07b, HCH07a]. **article** [Lin08]. **Articles** [DS05]. **Artificial** [FG07]. **Aruba** [IEE06b]. **ASCOS** [CG15]. **Assembling** [FG07]. **Associated** [YH09a]. **Association** [SWT08]. **ASWEC** [IEE06a]. **Asymmetric** [CG15]. **asymptotics** [BOC22]. **Asynchronous** [KG07]. **Atlanta** [BZ06, ZL06]. **atoms** [HMC12]. **attachment** [BOC22, PWZW15]. **Attention** [IS08, SHH07, IS07]. **attractors** [SZ10]. **Attributes** [MYWL04]. **audio** [TMPP05]. **Aug** [IEE09a]. **August** [D+07, FG07, IEE07f, IEE08c, LYZ07, OBB07, Yu09]. **Australia** [H+05b, IEE06a]. **Australian** [IEE06a]. **Author** [NCJ15, Din11a, Din11b, FSZB15, PPM+17]. **Authoritative** [HLF10]. **Authorities** [DZH+04, CON03]. **Authority** [BHP04, FLM+05, HHP08, MH05, ZSZ05]. **Authority-based** [BHP04, HHP08]. **AuthorRank** [ABS21]. **Authors** [ZOZG07, BDR10, DYFC09]. **Automated** [NND+05, SPLW17]. **Automatic** [CS06, DS23, ZGC18]. **Automation** [IEE06e, IEE06k]. **autonomic** [IEE06f]. **award** [FT17]. **award-winning** [FT17]. **Aware** [DMS06, Fia12, ZFCY13]. **axiomatic** [AT10]. **axioms** [Alt04, Alt05, AT05].

BA [GZ08]. **backtracking** [AHN19]. **BadRank** [KP09]. **Balanced** [QX10]. **Banff** [A+08]. **Bangalore** [IEE07c]. **Bangkok** [IEE06g]. **Barcelona** [ADL09]. **Barr** [Dje07]. **Based** [BIG13, CATC11, CGW09, GCF+20, GRP07, GZ08, HLF10, HQYfZ06, IEE05a, JZ07, KYO+06, LKL06, LLWH07, LWZX08, LCY09, LYX12, MCW10, NNH+07, PMKY23, QX10, Rad06, RM05, SP20, WPZ08, ZL08, ZbXF08, ZLL+21, AOTV12, ATV16, AB06, ADN+08, BYBC06, BHP04, BDR09, CKS11, CCLL14b, CTWZ09, CXLH10, CTX11, DS23, Din11b, DWH+15, EV05, EV07, FSZB15, FT17, GWR09, GP07b, Guo20, HHP08, HM15, HCH07b, HCH07a, ITBD09, ITB10, KL07, LSXL17a, LSXL17b, LJR09, LYLz23, MR05, MP18, Miy18, NCJ15, PCD15, PPM+17, RCM17, SPLW17, SLF+11, SHH07, TLZ+19, TVY21, WB09, WLW07, WWG+22, WKK+12, YXC+11, Yan14, YJZZ23, YC05, YWX+07, YZC+19, ZSZ05, ZZL08, ZXLL10, ZjRZ+10, ZLC+22, ZYL05, CNP07, ZFCY15]. **BC** [IEE06c, LL08]. **Beach** [IEE06b, IEE07g]. **behavior** [OC21]. **Behaviors** [XLC20, ZZZL06]. **behind** [BL06b, VLD07, Wil06]. **Beijing** [FYZ06, IEE07f, Z+04]. **Belief** [QX10]. **Berkeley** [IEE06d]. **Best** [Pit19, BSV04]. **between** [BGH+04, LSV08]. **Beyond** [Dje07, Gle15, Kap08, RPB06, LM06b]. **Bialystok** [IEE06i]. **Bias** [Col02]. **Biased**

[BPSV08, BPSV07, KCN07]. **biasing** [RPM07]. **bibliographic** [FRJ08, Fia12]. **bibliometric** [AB14]. **bibliometrics** [Wei05]. **Bibliomics** [YWX+07]. **Bibliomics-based** [YWX+07]. **BIC** [IEE07a]. **BIC-TA** [IEE07a]. **Bidirectional** [LL24]. **big** [DIL+19]. **bilingual** [LG10]. **billion** [Mol02]. **billionaire** [Low09]. **billions** [KYK09]. **Bio** [D+07, IEE07a]. **Bio-Inspired** [IEE07a]. **Biography** [Ano04]. **Bioinformatics** [D+07, IEE07d]. **Biomedical** [IEE07d, Lin08]. **biotechnological** [RR17]. **Bipartite** [Bau08]. **BIRD** [LL24]. **block** [CZR20, DN11, JW10, KHMG03a]. **Blocking** [EKU22]. **Book** [Dje07, Kap08, Lev11a]. **Bookmark** [Ber06]. **Bookmark-coloring** [Ber06]. **BookRank** [Men09]. **boost** [DSZ07]. **Boosting** [ZLL+21]. **bound** [Guo20, LLVX20]. **Bounds** [ASH07b, FRCS05]. **boys** [Ano04]. **Brief** [Rob19, Rho10]. **Brin** [Low09]. **Bringing** [MGZ08, PBMW98, PBMW99, XLC20]. **Broken** [Dje07]. **BrowseRank** [LGL+08]. **Brunswick** [Gho04]. **BSN** [WHS+06]. **BUbiNG** [BMSV18]. **Budapest** [HW03, Tom03]. **Building** [KK06, CGL+23]. **burglary** [ZLC+22]. **Business** [WHS+06].

CA [ACM08, Bar03, BC07]. **calculating** [Ped07]. **Calculation** [KT08]. **California** [IEE07g, IEE09b, IEE06d, WHS+06]. **Campus** [KK06]. **Canada** [A+08, IEE06c, IEE07b, LL08, L+03]. **cancer** [WKK+12]. **Cancun** [IEE08a]. **Candidate** [WZP+14]. **canonical** [SC05, WW08, Wu08]. **Capizzano** [WW08]. **Carl** [Kap08]. **Carlo** [ALNO07, Lof14]. **case** [FF07, YLL05]. **cases** [ZLC+22]. **Cataloging** [Men09]. **categorization** [NMP03]. **cautious** [NWD07]. **Cavtat** [LS07]. **Cavtat/Dubrovnik** [LS07]. **CCGrid** [TLC06]. **CDC** [IEE08a]. **CEC** [WHS+06]. **CEC/EEE** [WHS+06]. **Center** [Bah01, FG07]. **centered** [OTM03]. **Centralities** [PKDM21]. **centrality** [ATV16, BS23]. **Centre** [IEE06c]. **centric** [IR04]. **chain** [Mas05]. **Chains** [DMM+08, LM05b, LM06a]. **change** [Suz04]. **Changed** [Mac12]. **changes** [MP07]. **Chania** [IEE07e]. **channel** [NND+05]. **channels** [ITB10]. **chaos** [CG07]. **Characterization** [LSVZ09]. **characterize** [PRU02, PRU06]. **Characterizing** [MRM07]. **Chebyshev** [BK13, JWSG22, MT20]. **Chief** [Dou07]. **China** [yCCZ07, DHX09, IEE07h, IEE07a, IEE08b, M+08, Yu09, Z+04, FYZ06, FG07, IEE05c, IEE06k, IEE07d, IEE07f, LYZ07, N+06, OBB07]. **Chinese** [M+05, LCY09]. **choice** [Kru01]. **choosing** [ALP08]. **CIT** [J+06, MPW+07]. **Citation** [PBMW98, PBMW99, BDR09, CCLL14a, DYFC09, Din11a, FSZB15, MGZ08, MD19, NJFD14]. **citation-based** [BDR09]. **citations** [FT17]. **City** [MPW+07]. **Classification** [hLqL07]. **Cleve** [Mol02]. **clicks** [CKS11]. **cloud** [LFL+15]. **Cluster** [KL07, TLC06, MR04, PDSR05]. **clustered** [PDSR05]. **Clustering** [AKL18, HCW+07, VS19a, ADN+08, RCM17]. **Co** [ZOZG07, DYFC09]. **co-citation** [DYFC09]. **Co-ranking** [ZOZG07]. **cocitation** [Din11b]. **code** [MPG+13]. **CodeRank** [NIC06]. **Cognitive** [MK19]. **Collaborative** [IEE07i, YZZZ08]. **collections** [ADN+08, CNP07, ILLS09]. **Collective** [ZMW+18]. **College** [Col02]. **Colley** [Col02]. **colluders** [Mas05]. **coloring** [Ber06]. **Columbus** [IEE05b]. **Combating** [GGMP04]. **combined** [BDR10]. **Combining** [Guo07]. **Comments** [WW08]. **Commerce** [WHS+06]. **commodity** [CHH12]. **Communication** [BGJ06, Gho04, IEE07c]. **Communications** [D+07, IEE06f, IEE07i, IEE06g]. **communities** [BGS03, DD06]. **compare**

[NZT07]. **Comparison** [DGR05a, DGR07, HKJ03]. **Compiègne** [Sko05]. **complex** [CXLH10, GPR13, Wu08, XZ09]. **complexes** [PWZW15]. **Complexity** [LY08, Lof14]. **components** [ALP07]. **comprehensive** [CCLL14b]. **computable** [ABC+08a]. **Computation** [ANTT02, ALNO07, CATC11, IS08, IT10, KL02, LEA15, MG10, MV18, Mol02, RPM07, SYSB03, WA05, WWS+10, AG04, ABC+07, ABC+08b, BRZ06, yCCZ07, DGR05b, DPSK06, HCH07b, HCH07a, IS07, IT08a, IT08b, IT09b, ITBD09, IT09a, KHG04b, KHG04a, KG07, MR04, McS05, Miy18, SMPU15, SC05, TD11, WG07b, WG07a, WW08, ZYL05]. **Computations** [BB12, DSD09, KHMG03b, BSV04, BSV05b, BRZSC05, CRZT20, LSXL17a, LSXL17b, Sid08, Tan17, ZWSC25]. **compute** [CG07]. **Computer** [IEE06d, IEE08c, IEE09b, J+06, MPW+07, Soh09, WZM10]. **Computers** [Mac12]. **Computing** [D+07, FG07, GGGL10, H+07, IEE03, IEE05b, IEE06i, IEE07a, MAIiK14, Men09, QJT07, TLC06, WD04, WHS+06, WZW10, ZL06, AMM14, Bai12, Ber05, Ber06, BP22, CGS02, GG06, GGL07, GXZ15, GW17, GJSC18, GJNC18, GLC22, HWH+21, HGW24, IEE06f, JWSG22, KHMG03a, LGZ07, LSW09, MT20, RM06, TZWG21, TLD22, WHS17, WHY+21, WHS23, WW07, WW10a, WW10b, YYN12, Zho12]. **COMSWARE** [IEE07c]. **Concept** [DMS06, AOTV12, FGM+01, TVY21]. **Concept-Aware** [DMS06]. **Concern** [JZM+09]. **conditional** [LM05c]. **Conditioning** [Kir06]. **conductance** [CPG11]. **Conference** [ACM01, Ano02, Bah01, Bar03, BZ06, Bar04, BMY05, C+03, C+06, C+01, D+07, FYZ06, FG07, Gho04, H+05a, H+07, H+05b, HW03, IEE05a, IEE05b, IEE05c, IEE06f, IEE06a, IEE06e, IEE06c, IEE06j, IEE07d, IEE07b, IEE07c, IEE07f, IEE07h, IEE07a, IEE07i, IEE08a, IEE08c, IEE08b, IEE09a, J+06, LYZ07, L+07, L+03, LS07, M+08, M+05, MPW+07, N+07, NND+05, N+06, OBB07, Per06, R+07, Sko05, Soh09, TW07, W+02, WHS+06, YS+03, Yu09, ZL06, Z+04, yCCZ07, ACM01]. **Congress** [IEE06k, IEE09b]. **conjunction** [FG07]. **Connected** [OTK06]. **Connectivity** [AB06]. **conquer** [DPSK06]. **Consequences** [VS19b, Wei05]. **Consistently** [WL07]. **Content** [AB06, Guo07, HLF10, NND+05, SHH07]. **Content-based** [SHH07]. **Contents** [KYO+06]. **context** [FGM+01, Hav03, JW02, MBM09]. **context-sensitive** [Hav03]. **Contextual** [SHH07]. **continuation** [BP22]. **continuity** [NMP03]. **contribution** [SC05, WW08, WW10b]. **contributions** [ABC+07, ABC+08b]. **Control** [IEE06e, IEE06k, IEE08a, IEE08b]. **Convention** [Bah01]. **Convergence** [GK11, HW21, IK05, IK06, KL07, N+07, Soh09, Bai12, GvdHL20]. **Cooperative** [WHS+06]. **'Copenhagen'** [Dje07]. **Copyright** [Rho10]. **core** [PWZW15]. **core-attachment** [PWZW15]. **Corner** [Mol02]. **correct** [Mar97]. **Correlation** [HQYfZ06]. **correlations** [OC21]. **counts** [FSZB15]. **coupled** [TLD22]. **course** [Reb12a]. **crawl** [BYKS09]. **Crawled** [KOK03]. **Crawler** [AHL09, LZ09, TP08, YYL07a, YYL07b, ZYY07, ZQ09]. **Crawling** [AHL09, BYG07, BMSV18, JZ07, MYWL04]. **Crawls** [CSLL18]. **Creator** [Dje07]. **Crete** [IEE07e]. **Croatia** [LS07]. **Cross** [NND+05, ZSW06]. **cross-media** [ZSW06]. **cross-reference** [ZSW06]. **cue** [ZSZ05]. **cue-based** [ZSZ05]. **currency** [Suz04]. **curve** [WB09]. **Customized** [GCF+20]. **Cybernetics** [Bah01].

D [Dje07, Kap08]. **Dalian** [IEE06k]. **Damping** [WWJ12, ALP08, BYBC06, BL06a, BC06, BSV05a, Bol05, BSV07, SSCW22]. **Dangling** [IS08, IS07]. **Data** [Bar03, BZ06, C+06, D+07, H+05a, NWyY07, R+07, WZW10, AG04, DIL+19, GP06, GP07a, Per06, TVY21, YZC+19]. **Database** [LL08, TW07, ABS21, Pag01]. **databases** [BHP04, HHP08]. **datasets** [LRU14]. **December** [A+08, BC07, C+03, C+06, IEE06f, IEE06e, IEE06b, IEE08a, NND+05, N+06, W+02]. **decentralized** [PDMW06]. **Decision** [IEE08a]. **Decomposition** [ME11]. **Deep** [CGL+23]. **Deeper** [LM04a, BSV07]. **Degree** [BIG13, FBFM08, LSVZ09, LSV08, OC21, LSV07]. **del** [Tud08]. **Demands** [CHH12]. **Densely** [OTK06]. **Dependence** [LSVZ09]. **dependencies** [BSV09, SPLW17]. **Dependent** [BGJ06, ZMW+18]. **derivative** [GGGG07]. **Descent** [Naz10]. **Design** [PCG08, CPG11]. **Detecting** [AC07, Mas05]. **Detection** [MLZ+24, ABC+08a]. **Determining** [HMC12, VLD07]. **Development** [C+01]. **DEXA** [TW07]. **diagonal** [SHC+19]. **Diego** [BC07]. **Differences** [DLL12]. **Different** [BYKS09]. **differential** [AM21]. **Differentially** [WZP+14]. **differentiation** [CCLL14a]. **difficult** [SHC+19]. **DiffPageRank** [AM21]. **DiffusionRank** [YKL07]. **dimension** [YLL05]. **diodes** [KYK09]. **directed** [ACL07a, ACL08, BOC22, DWH+15, FF07]. **Dirichlet** [CTX11, WST05]. **DirichletRank** [WTS+08]. **disaggregation** [ZYL05]. **disambiguation** [AS09, MPS12, MTF04]. **Discovery** [HHY06, LYZ07, M+08, Yu09]. **Discrete** [ACM08]. **Distributed** [BMY05, FG07, IEE03, IEE05a, IEE05b, IEE07g, IT09b, ITBD09, IT10, ITB10, SSB03, SYSB03, SYYW03, TP08, WA05, YAI+04, ZYL05, CNP07, IT08a, IT08b, SMPU15, WD04]. **Distribution** [ALP07, NND+05, BC06]. **Distributions** [IO18]. **Divide** [DPSK06]. **Do** [BYKS09, BSV04, FSZB15, LSV07]. **Doctor** [Dje07]. **document** [ADN+08, LWZX08, NMP03, TMF05, ZSZ05]. **Documentation** [PMKY23]. **Documents** [ZOZG07, MS05]. **does** [NZT07, Suz04]. **Domain** [CSLL18, Kru01]. **DRank** [SPLW17]. **Drive** [Mac12]. **drops** [AC07]. **Dubrovnik** [LS07]. **DUST** [BYKS09]. **DYNA** [KT08]. **DYNA-RANK** [KT08]. **Dynamic** [Cha07, CHH12, PCG08, RG12, WPZ08, GLST17]. **dynamical** [SZ10].

E-Commerce [WHS+06]. **E-Services** [WHS+06]. **each** [MM04]. **Early** [AHL09]. **Economy** [Leo41]. **Edge** [WWG+22, PDSR05]. **Edge-based** [WWG+22]. **Editor** [Dou07]. **EEE** [WHS+06]. **Effect** [FLM+05, RPM07, AL06b]. **Effective** [SWT08, WTX+16, YJZZ23]. **Effectiveness** [SSPN08]. **effects** [AGN06, BSV04, BSV05b]. **Efficient** [BLMP04, BLMP06, CGL+23, KT08, LL24, PDMW06, QJT07, WYW+19, WWS+10, YMZ19, ZXZ11, ZLJ18, AM21, CGS02, DPSK06, MR05, SHC+17, WG07b]. **Efficiently** [AHL09]. **Effort** [PMKY23]. **Eigenfactor** [Ber07]. **eigenfactor.org** [Ano11]. **eigenproblems** [JW10]. **eigenstructure** [GGGG07]. **Eigenvalue** [Arb16]. **Eigenvalues** [Wu08, XZ09]. **Eigenvector** [BL06b, MG10, MGM08a, MGM08b, Mol02, NP09a, NP09b, NP09c, Naz10]. **Eighth** [FG07]. **Electrical** [IEE06i]. **Electronic** [Dje07]. **elimination** [SHC+17]. **embedding** [YSX+20]. **emergence** [FGS11]. **Emitting** [DLL12]. **Empirical** [ZLL+21, Leo41]. **Empirically** [GCFG10]. **Engine** [Dje07, Kap08, SP20, BP98, LM06b, MBHG05, Wil06, BP12]. **Engineering**

[BZ06, FG07, IEE05c, IEE06a, IEE06i, IEE07d, IEE07f, IEE09b, W+02, TMF05]. **Engines** [JZ07, Lev11a, ZZB09, BB05, CMS10, GP07b, Mar97, MBDC15, YXC+11]. **ENSYS** [IEE07i]. **Enterprise** [WHS+06]. **Entertainment** [IEE07i]. **Entity** [LCY09, XLC20, Cha07]. **Entity-Relation** [LCY09, Cha07]. **entrepreneurs** [Low09]. **entries** [Kir06]. **Environment** [HHY06, KG07]. **Epidemic** [LEA15]. **Equal** [BIG13]. **equations** [Sid08]. **equilibria** [CTWZ09]. **equilibrium** [Leo41]. **error** [Guo20, LLVX20]. **estimates** [PGRC18b]. **Estimating** [DD06, Naz10, SGP08, SGP11, WW23, CGS04]. **Estimation** [IO18, KYO+06, VS19a, AG04]. **estimations** [FBFM07]. **Euromicro** [IEE05a]. **Evaluate** [NWyY07, ZMW+18]. **Evaluating** [BDR09, BDR10, CCLL14a]. **evaluation** [CCLL14b, NJFD14, Yan14]. **Event** [ILLS09, LLWH07]. **Event-Based** [LLWH07]. **Evolution** [LCY09, MYWL04]. **Evolving** [RG12]. **Exact** [GMS05]. **Example** [CC07]. **Execution** [ZLJ18]. **Existence** [FLM+05]. **existing** [HCH07b, HCH07a]. **Expansion** [XLC20]. **Experimental** [ASH07b]. **Experiments** [ANTT02, MBM09, FRCS05, MBHG05]. **Expert** [TW07]. **ExpertRank** [Zho12]. **Explained** [Col02]. **Exploiting** [KHMG03a, MAIiK14]. **exponentiation** [MRS+01]. **Expressed** [WZP+14]. **Extended** [ZbXF08]. **Extending** [BS23]. **External** [LLWH07]. **Extracting** [MS06]. **Extraction** [BGH+04, LW07, LCY09, LLYW10, SP20, ZGC18, LYLz23, WLW07]. **Extractive** [LLWH07]. **extrapolated** [AMM14]. **Extrapolation** [BRZSC05, BRZ07, CRZT20, DSD09, KHMG03b, BRZ08, HGW24, SSCW22, Sid08, Tan17, WW10a, ZHWS16]. **Eye** [LM05b, LM06a].

faceted [PPM+17]. **Factor** [SPY+09, ALP08, BL06a, BC06, BSV05a, BSV07]. **Factors** [WWJ12, SSCW22, VLD07]. **FactRank** [JP10]. **facts** [JP10]. **failures** [IT09b]. **Fairmont** [C+03]. **Fall** [Dje07]. **Falls** [IEE07b]. **fame** [UCH03]. **family** [NIC06]. **far** [DLLM07]. **Farm** [RPM07, DSZ07]. **Fast** [BCG10, BYG07, DGR05b, GZB04, GPC08, KL07, ME11, SMPU15, TFP06, MBDC15]. **Fault** [ZLL+21, YJZZ23]. **Faustu** [Dje07]. **FAW** [DHX09]. **feasibility** [BCS05]. **Feature** [SP20]. **features** [ABC+08a, ZLC+22]. **February** [ADL09, IEE05a]. **feedback** [CKS11]. **fibrations** [BLSV06]. **FICA** [BYG07]. **Field** [AKL18, NWyY07, FBFM07]. **Fifth** [M+08, H+05a]. **Filtering** [PMKY23]. **Finding** [CXMR07, CON03, CON04, Mas07, WLJH10, Mas05, NP09a, NP09b, NP09c]. **First** [D+07, BDR09, Reb12a, WMC13, NND+05]. **first-order** [WMC13]. **Fishnet** [SZ07]. **FIT** [BMY05]. **fitting** [MK19]. **fixed** [CRZT20, HW21, LLPC23]. **fixed-point** [CRZT20, HW21, LLPC23]. **Florence** [NND+05]. **Florida** [H+03]. **FOCS** [IEE06d]. **Focused** [YYL07a, YYL07b, ZYY07]. **follow** [LSV07]. **follows** [BC06]. **FOM** [ZHWS16]. **Football** [Col02, GMA08]. **force** [DWH+15]. **force-directed** [DWH+15]. **Forensics** [WZM10]. **form** [SC05, WW08, Wu08]. **Formula** [DSD09]. **fortune** [UCH03]. **Foundations** [IEE06d]. **Fourth** [LYZ07, Soh09, Yu09, A+08]. **FPGA** [MGM08a, MGM08b, YXC+11]. **FPGA-based** [YXC+11]. **FPMPE** [ZWSC25]. **Fractional** [AHL09]. **Fragile** [IT09a]. **Framework** [MK19, XLC20, CTW+02, DHH+02, DHH+03]. **France** [IEE05a, Sko05]. **Francisco** [ACM08, Bar03, WHS+06]. **Fredericton** [Gho04]. **Free** [Col02, AL06a, SJY+20, ZXLL10]. **Fremont**

[L+07]. **Frequency** [GRP07]. **frequent** [YH09a]. **FrogWild** [MBDC15]. **Frontiers** [DHX09]. **FSKD** [M+08, LYZ07, M+08]. **FSKD'07** [Yu09]. **Fukuoka** [Bar04, BMY05]. **Fukushima** [MPW+07]. **full** [SCW+24]. **fully** [FRCS05]. **function** [BSV05a, BSV07]. **Functional** [BSV09]. **functions** [BYBC06, MPG+13]. **Future** [Mac12]. **FUZZ** [IEE09a]. **FUZZ-IEEE** [IEE09a]. **Fuzzy** [IEE09a, LYZ07, M+08, Yu09].

Galway [H+07]. **game** [Naz10]. **games** [CTWZ09]. **gap** [WTS+08]. **gems** [CXMR07]. **Gene** [MLZ+24, WZP+14]. **General** [DSD09, HSC07, TLZ+19]. **generalizations** [LGZ07]. **Generalized** [KP09]. **Generalizing** [BYBC06, GMA08]. **GeneRank** [BK13, MBHG05, SEH14, WZW10, YLB07]. **Genes** [WZP+14, WKK+12]. **Genius** [Dje07]. **geo** [MS05]. **geo-referencing** [MS05]. **Geometric** [CGL+23]. **Georgia** [BZ06]. **Germany** [Per06, TW07]. **giants** [Fra10, Fra11]. **gigabit** [MR04]. **global** [DD06]. **GMRES** [GJSC18, JWSG22, SSCW22, WW10b, WWJ12]. **GMRES-Power** [GJSC18]. **goes** [WKK+12]. **Google** [WW08, Ano04, AL06b, BB11, BL06b, CXMR07, CSC10, Cli10, DN11, Dje07, GMA08, Hig05, HSC07, IW06, Kir06, LM05b, LM06b, LM06a, LTT10, Lev10, Lev11b, LSW09, Low09, MOG06, MM04, Mol02, Pre02, Reb12b, Rho10, RSA09a, SC05, SZ10, Sob03, Wil06, WI09, WKK+12, Wu08, WW10b, YWX+07, Kap08]. **Google-like** [DN11]. **Google-PageRank-like** [YWX+07]. **Google-type** [Kir06]. **GPUs** [SYJ+19, WWS+10]. **Graduated** [KP09]. **Granular** [ZL06]. **Graph** [ACL06, AKL18, BGH+04, BLSV06, Chu09, DS23, DMS06, LSCY23, MLZ+24, Rad06, YKL06, ZLJ18, A+08, ACL07b, Aug08, ADL09, BC07, BLMP04, BLMP06, CPG11, Chu07, DLLM07, DWH+15, GP06, GMS05, Leo04, MAIiK14, MS05, MBDC15, SGP08, SGP11, YZTF24, ZTYZ23, ZSW06]. **Graph-Based** [Rad06, DS23]. **graph-ranking** [MS05]. **GraphBLAS** [PKDM21]. **Graphics** [LSXL17a, LSXL17b]. **Graphs** [BIG13, Bau08, ACL07a, ACL08, Cha07, CZR20, Gro15, GLST17, PDSR05, SYJ+19, SJY+20, YSX+20]. **Graphs*** [EKU22]. **greatest** [Low09]. **Greece** [IEE07e]. **Grid** [HHY06, IEE07h, KK06, TLC06]. **groundable** [WMC13]. **GroupRank** [WZP+14]. **Groups** [WZP+14]. **growing** [AL06a]. **Gyeongju** [N+07].

Haier [FG07]. **Haikou** [LYZ07, Yu09]. **Hainan** [LYZ07, Yu09]. **Halifax** [L+03]. **Hardware** [MG10]. **Hawaii** [Ano02]. **Heat** [Chu09, Chu07]. **Hefei** [DHX09]. **held** [Yu09]. **Henan** [OBB07]. **Hessenberg** [GLC22, HGW24]. **Hessenberg-type** [GLC22]. **Heterogeneous** [ZOZG07]. **heuristic** [Miy18]. **Hidden** [LL24]. **hierarchical** [YZTF24]. **High** [D+07, IEE03]. **Higher** [HW23, KBK05]. **Higher-Order** [HW23, KBK05]. **highlights** [ATV16]. **History** [Rob19, SC12]. **HITS** [DHH+02, DHH+03, FLM+05, MRS+01, NZT07, SPY+09, Zho12]. **Homogeneous** [JB09, YSX+20]. **Hong** [ACM01, C+06, M+05, N+06]. **Honolulu** [Ano02]. **Hopfield** [CC07]. **Hotel** [C+03, IEE06c, L+07, N+07]. **Houston** [H+05a]. **HowNet** [WLWZ08]. **HPC** [D+07]. **HPC-Bio** [D+07]. **Hub** [ZFCY15, ZSZ05]. **hub-authority** [ZSZ05]. **HubPPR** [WTX+16]. **Hubs** [DZH+04, CON03]. **Human** [DLL12]. **Hungary** [HW03, Tom03]. **Hydai** [N+07]. **Hyper** [Mar97]. **Hypergraph** [CLC24]. **Hyperlink** [hLqL07, YWGC11, SBC+06].

Hyperlink-Induced [YWGC11]. **hyperlinking** [TMPP05]. **hyperlinks** [KL05, KL10, Lin08]. **hypertext** [ADN+08]. **hypertextual** [BP98, BP12].

i.e [FG07]. **I/O** [CGS02]. **I/O-efficient** [CGS02]. **ICALT** [IEE06j]. **ICARCV** [IEE06e]. **ICBBE** [IEE07d]. **ICC** [IEE09a]. **ICCIT** [Soh09, N+07]. **ICCSIT** [IEE08c]. **ICDE** [BZ06]. **ICDM** [C+06, H+05a, Per06, R+07]. **ICITA** [H+05b]. **ICIW** [IEE07i]. **ICN** [IEE06h]. **ICONS** [IEE06h]. **ICSNC** [D+07]. **Ideas** [Mac12]. **Identification** [BIG13, PWZW15]. **Identifying** [OTK06, CCLL14a]. **IEEE** [Bah01, H+05a, H+07, IEE03, IEE05c, IEE06d, IEE06b, IEE08a, IEE08b, IEE09a, J+06, L+07, MPW+07, N+06, R+07, Sko05, TLC06, WHS+06, ZL06, L+03, M+05, Z+04]. **IEEE/WIC** [Z+04]. **IEEE/WIC/ACM** [L+07, N+06, Sko05]. **illustration** [RR17]. **Image** [Bau08, JB08a, JB08b, Per06]. **images** [HCW+07]. **Immune** [PHW10]. **Impact** [DS23, Din14, JZM+09, SPY+09, Wei05, FT17, ZMW+18]. **Implementation** [ABS21]. **Implications** [AKL18, MYWL04]. **Implicitly** [LEA15]. **Importance** [NWyY07, LM05c, LGL+08, MM04]. **Important** [AHL09]. **Improve** [hLqL07, QM06]. **Improved** [CKS11, CGW09, EKU22, GZ08, KL02, LZ09, LYX12, PHW10, YH09a, ZXZ11, ZYY07, ZQ09, ZZB09, LYLz23]. **Improved/Optimized** [EKU22]. **Improvement** [CGL+23, HLF10, YYL07a, WB09, YH09b]. **Improving** [WKK+12, ZGC18]. **In-Degree** [FBFM08, LSVZ09, LSV08, LSV07]. **Inadvertent** [Wei05]. **Incorporating** [CC07, ZGC18]. **Incremental** [KOK03, ZFCY13, BCG10, BSV04, BSV05b, Lof14]. **Indegree** [UCH03]. **Index** [CPG11, JB09, PCG08, PPM+17, SJY+20, PKLK09]. **index-free** [SJY+20]. **indexes** [AB14]. **Indexing** [WLWZ08, WTX+16]. **India** [IEE06f, IEE07c]. **indices** [ABS21]. **Induced** [YWGC11, KL05, KL10]. **Industrial** [Per06]. **Industry** [IEE07a]. **Influence** [CWL07, LXY+17, CG07]. **influential** [WLJH10]. **Information** [Bar04, C+01, DS05, H+05b, IEE06g, IEE08c, IEE09b, J+06, Lev11a, LS07, M+05, MPW+07, N+07, OBB07, Rad06, SC12, Soh09, W+02, CMS10, Kam10, Mar97, MBM09, SSPN08]. **Ingenious** [Mac12]. **Initialization** [FLM+05]. **Inner** [GGGL10, Bai12, GGL07, TLZ+19]. **Inner-Outer** [GGGL10, TLZ+19]. **Inout** [GW17]. **Inspired** [IEE07a]. **Institute** [BMY05, IEE06f]. **integers** [FCS12]. **Integrating** [SWT08]. **Intelligence** [FG07, L+07, L+03, N+06, Sko05, Z+04]. **Intelligent** [BYG07, IEE06k]. **inter** [PDSR05]. **inter-cluster** [PDSR05]. **Interaction** [DS05, MLZ+24]. **interactive** [KG07]. **Interactome** [DLL12]. **Interests** [MS06]. **Interfaces** [LS07]. **International** [ACM01, Ano02, Bah01, Bar03, BZ06, Bar04, BMY05, C+06, C+01, D+07, FYZ06, FG07, H+05a, H+07, H+05b, HW03, IEE03, IEE04, IEE05a, IEE05b, IEE05c, IEE06f, IEE06g, IEE06e, IEE06c, IEE06j, IEE07d, IEE07b, IEE07c, IEE07g, IEE07h, IEE07a, IEE07i, IEE08c, IEE08b, IEE09a, J+06, LYZ07, L+07, L+03, LS07, M+08, M+05, MPW+07, N+07, NND+05, N+06, OBB07, R+07, Sko05, Soh09, TW07, TLC06, W+02, WHS+06, YS+03, Yu09, ZL06, Z+04, A+08, ADL09, BC07, yCCZ07, DHX09, Leo04, IEE06i, IEE07f]. **Internet** [H+03, IEE04, IEE07i, BFS03, Mas07, TP08, WD04]. **introduction** [dG05]. **inventions** [RR17]. **investigation** [BSV07]. **investment** [Suz04]. **IPDPS** [IEE07g]. **Ireland** [H+07]. **ISCIT** [IEE06g]. **Island** [IEE09a]. **isomorphism** [Aug08, BLSV06]. **Italian** [Tud08]. **Italy** [Leo04, NND+05]. **Item** [ZZA+13]. **ItemRank** [GP07b]. **Iteration** [ALNO07, GGGL10, Bai12,

GGL07, GXZ15, GJNC18, HM15, HW21, LLPC23, TLZ+19, TZWG21, TLD22, WHS17, WHS23, ZWSC25]. **iterative** [DN11, LM04b, OKH+13, ZYL05]. **ITI** [LS07].

J [WW08]. **January** [ACM08, FYZ06, H+03, IEE04, IEE07c]. **Japan** [Bar04, BMY05, IEE04, MPW+07]. **Japanese** [OTK06]. **Jeju** [IEE09a]. **Jinan** [M+08]. **Joel** [Dje07]. **Joint** [IEE06c, WHS+06, WHS+06]. **Jordan** [WW08, SC05, Wu08]. **Journal** [BRV06, SPY+09, SSPN08]. **journals** [Ber07, BDR10, CCLL14a, CCLL14b]. **Julia** [PKDM21]. **July** [BMY05, FG07, H+05b, IEE06c, IEE06j, IEE07d, M+05, Per06]. **June** [DHX09, IEE03, IEE05b, IEE06k, LL08, LS07, M+05, WHS+06]. **Juxtaposed** [PCD+08].

Kaohsiung [YS+03]. **Karnataka** [IEE06f]. **Katz** [PKLK09]. **KE'05** [IEE05c]. **Kerkrade** [IEE06j]. **Kernel** [Chu09, Chu07]. **Key** [GWR09, LJR09]. **keyphrase** [LYLz23]. **Keyword** [LW07, LLYW10, SYSB03, WLW07, WLWZ08, BHP04, HHP08]. **Keywords** [Mas07, MS06, ZWXZ12]. **Kirsten** [Dje07]. **Kleinberg** [MRS+01]. **Knowledge** [IEE05c, IEE07f, IEE07h, LYZ07, M+08, Kru01, Yu09]. **Kong** [ACM01, M+05, N+06, C+06]. **Konkani** [DS23]. **Korea** [J+06, N+07, Soh09, IEE09a, J+06]. **Krylov** [DGR05a, DGR07, WZW10].

LambdaRank [YXC+11]. **Landmark** [RCM17]. **Language** [IEE05c, IEE06b, IEE07f, LW07, OBB07, Rad06, KL05, KL10]. **Langville** [Dje07, Kap08, IK05, IK06]. **Large** [Arb16, CSLL18, HW23, JB08a, BP98, BP12, JW10, SYJ+19, Sid08]. **Large-Scale** [CSLL18, JB08a, BP98, BP12]. **Largest** [Mol02]. **Larry** [Low09]. **Latent** [CGW09]. **law** [BC06, Rho10]. **laws** [LSV07]. **layer** [PGRC18a]. **Layered** [WA05]. **layout** [HCW+07]. **league** [GMA08]. **Learning** [CGL+23, IEE06j, YZZZ08, ZZZL06, RPB06]. **Lecture** [Arb16]. **Leipzig** [Per06]. **Length** [GRP07]. **Letting** [LGL+08]. **Level** [KK06, Yan14]. **Library** [Rho10]. **Light** [IEE07a]. **Like** [PMKY23, DN11, YWX+07]. **Limit** [BL06a, Vig05]. **Linear** [BL06b, CLC24, GZB04, JB09, DGR05b, MOG06, SCW+24]. **lines** [MPG+13]. **Linguistic** [LLWH07]. **Link** [CGL+23, CON04, DZH+04, LKL06, MYWL04, NNH+07, RPM07, WG06, ZZB09, BYBC06, CTW+02, DHH+02, DHH+03, EV07, HCW+07, IR04, IT09b, IT09a, KBK05, NZJ01]. **Link-Attributes** [MYWL04]. **Link-Based** [LKL06, BYBC06]. **Link-building** [CGL+23]. **Link-Sensitive** [ZZB09]. **linked** [Pag01]. **Links** [Guo07, HLF10, AL06b, KL05, KL10, MM04, MH05]. **Lists** [WG06]. **lives** [Lev11b]. **Local** [ACL06, ABC+07, ACL07a, ABC+08b, ACL08, AKL18, BYM08a, BYM08b, CGS04, Chu09, GvdHL20, KYO+06, AC07, BS23, FBFM07, LSXL17a, LSXL17b, WWG+22]. **Localization** [ZLL+21, GPR13, YJZZ23]. **locally** [ACL07b, ABC+08a, WMC13]. **locating** [SSPN08]. **log** [MRS+01, VLD07]. **log-log** [VLD07]. **logic** [WMC13]. **Long** [IEE07g]. **look** [Rho10]. **louder** [Dje07]. **Louisiana** [C+01]. **Low** [BIG13, BCS05, SHC+19]. **Low-Degree** [BIG13]. **low-rank** [BCS05, SHC+19]. **lower** [FRCS05]. **Lumping** [MV18, LSW09]. **Luoyang** [OBB07].

MAAOR [MV18]. **Macau** [M+05]. **machine** [RPB06]. **main** [N+06]. **make** [BSV04]. **Man** [Bah01]. **Management** [WPZ08, CCLL14a, OTM03]. **Mantissa** [GCF+20]. **mapping** [Ano11]. **MapReduce**

[AM21, OKH+13]. **March** [Bar04, IEE07g, IEE09b]. **marker** [WKK+12]. **marketing** [Per06]. **Markov** [DMM+08, LM05b, LM06a, LM05c, Mas05, WA05]. **Marriott** [L+07]. **mass** [ALP07]. **Masses** [BMSV18]. **Massive** [BMSV18, EKU22, CZR20, LRU14, YSX+20]. **Massively** [HCWW21]. **matching** [GMS05]. **math** [Wil06]. **Mathematical** [IW06, BB05]. **Mathematics** [DIL+19, Pit19, Reb12a]. **Mathématiques** [RSA09b]. **matrices** [DN11]. **Matrix** [Col02, Mol02, GXZ15, HSC07, Kir06, LSW09, MRS+01, NP09a, NP09b, NP09c, Naz10, SC05, SZ10, WHS17, WHS23, WW08, Wu08, XZ09]. **Maurititus** [IEE07i]. **Mauritius** [IEE06h]. **Maximizing** [dKNvD08]. **May** [ACM01, Ano02, Bar03, yCCZ07, Gho04, HW03, IEE07b, IEE07i, Tom03, TLC06, ZL06]. **MCL** [IEE06h]. **Mean** [AKL18, FBFM07, Hig05]. **means** [BDR09]. **Measure** [AB06, BGH+04, CG15, LKL06, ATV16, JW02]. **measured** [GCFG10, YH09a]. **measurement** [PPM+17, YH09b]. **Measures** [DS23]. **Measuring** [Ber07, Din14, LY08, MD19]. **Media** [FYZ06, NND+05, ZSW06]. **Medical** [D+07]. **medicine** [Per06]. **Meet** [LSCY23]. **memory** [WWZ19]. **Merchants** [Mas07]. **Metabolic** [BIG13]. **Method** [BIG13, Col02, KL07, LEA15, Mas07, Pag01, Bai12, BP22, CCLL14b, DWH+15, HGW24, LYLz23, Lof14, MT20, PCD+08, PCD15, SPLW17, SLF+11, SSCW22, SCW+24, Tan17, TLZ+19, Tud08, YYN12, ZHWS16, ZWSC25]. **Methods** [ALNO07, DGR05a, Din14, HW23, IO18, KHMG03b, MV18, Ped07, Rad06, BFS03, BRZSC05, CGS04, CRZT20, DN11, DGR07, HM15, KHG04a, LG10, Sid08, TZWG21, ZYL05]. **Metodi** [Tud08]. **metric** [PPM+17]. **metrics** [Cli10, DNB02, NIC06]. **Mexico** [IEE08a]. **Meyer** [Dje07, IK05, IK06, Kap08]. **MFPIO** [ZWSC25]. **Microarray** [WZW10, MBHG05]. **Middleware** [IEE07c]. **millions** [MPG+13]. **minimal** [GP06, GP07a]. **minimization** [BRZ07]. **Mining** [Bar03, C+06, H+05a, LRU14, R+07, SHH07, SWT08, TP08, WZW10, YWGC11, GWR09, LJR09, Per06, dG05]. **Mirror** [Naz10]. **missing** [AG04]. **mixing** [Mas05]. **MixPR** [Guo07]. **MMM2006** [FYZ06]. **MMSP** [IEE07e]. **Mobile** [WHS+06, PCD15]. **Model** [CGW09, GZ08, IO18, SHH07, TP08, WPZ08, WA05, YLB07, ZZA+13, AGN06, BS23, CM08, CZR20, CSC10, CG07, KA11, WXYM07, YAI+04, ZjRZ+10, ZMW+18]. **ModelIing** [FYZ06]. **Modeling** [BFS03, LEA15, ZXLL10, BB05]. **models** [A+08, ADL09, BDR09, BC07, yCCZ07, KL05, KL10, Leo04, VDL07]. **Modifications** [MRS+01]. **modified** [JW10, KA11]. **monotone** [DLS08]. **Montbéliard** [IEE05a]. **Montbéliard-Sochaux** [IEE05a]. **Monte** [ALNO07, Lof14]. **Morne** [IEE06h, IEE07i]. **Moves** [DMS06]. **MR2179674** [WW08]. **MS** [CCLL14b]. **MuIti** [FYZ06]. **MuIti-Media** [FYZ06]. **Multi** [CLC24, CHH12, LWZX08, NND+05, GJNC18, PPM+17, WHS23, ZSZ05]. **Multi-channel** [NND+05]. **Multi-commodity** [CHH12]. **Multi-document** [LWZX08, ZSZ05]. **multi-faceted** [PPM+17]. **Multi-Linear** [CLC24]. **multi-step** [GJNC18, WHS23]. **Multicore** [KSM12]. **multidimensional** [CCLL14a, ZLC+22]. **Multilevel** [DMM+08]. **Multilinear** [GLY14, GLY15, LLVX20, BP22, CRZT20, Guo20, HW21, KBK05, LLPC23, LLNV17, MP18, ZWSC25]. **Multimedia** [IEE07e, TMPP05, YC05]. **multimedia-semantic** [TMPP05]. **Multinomial** [IO18]. **Multiple** [LEA15, WWJ12, CG07, SSCW22]. **Multiplex**

[HMPB13, PGRC18b, TVY21, PGRC18a]. **multisplitting** [HM15]. **multistage** [LGZ07]. **multithreading** [KG07]. **mutation** [YJZZ23].

N [Dje07, Kap08]. **Nash** [CTWZ09]. **National** [IEE06f, GMA08]. **Natural** [IEE05c, IEE07f]. **navigational** [EV07]. **Nebraska** [R+07]. **Net** [CC07]. **Netherlands** [IEE06j]. **Network** [BIG13, IEE05a, IEE07i, IO18, LW07, MLZ+24, NWyY07, WZP+14, ZOZG07, AOTV12, CTWZ09, PDMW06, PCD+08, WXYM07, WKK+12, YAI+04, YSX+20, ZXLL10]. **Network-Based** [IEE05a, WKK+12]. **Networking** [Bar04, FG07, IEE07b, IEE08b]. **Networks** [BGJ06, CC07, CG15, D+07, FG07, Gho04, IEE06c, LSCY23, LLYW10, SYSB03, WHS+06, ATV16, AL06a, BOC22, BS23, CXLH10, DYFC09, Din11a, Din11b, FRJ08, Fia12, FF07, GWR09, GPR13, Kam10, LJR09, Lin08, MD19, MTF04, NJFD14, PCD15, SZ10, SYYW03, TVY21, YZTF24]. **Neural** [CC07, IEE06c, LSCY23, MLZ+24, YZTF24]. **Newly** [KOK03]. **Niagara** [IEE07b]. **Nibble** [PWZW15]. **Nine** [Mac12]. **Nineteenth** [ACM08]. **NLP** [IEE05c, IEE07f]. **NLP-KE** [IEE07f]. **NLP-KE'05** [IEE05c]. **NN** [XLC20]. **no** [WW08]. **Node** [CGL+23, WW23, MM04, Pag01]. **Nodes** [BIG13, IS08, NWyY07, AOTV12, GWR09, IS07, LJR09, TVY21]. **Non** [AHN19, EKU22, DLS08, BS23]. **Non-backtracking** [AHN19]. **Non-Blocking** [EKU22]. **non-local** [BS23]. **Non-monotone** [DLS08]. **Note** [GK11, Gro15, SW06, WHS17]. **Notes** [Arb16]. **Novel** [LKL06, ZL08, IR04]. **November** [A+08, H+05a, IEE05c, L+07, N+07, NND+05, Soh09]. **NS** [L+03]. **number** [LM12]. **Numerical** [Kam10, MOG06, Tud08]. **numerici** [Tud08].

O-efficient [CGS02]. **ObjectRank** [BHP04]. **objects** [YC05]. **Oct** [IEE06g]. **October** [Bah01, IEE05c, IEE06d, IEE07e, IEE07h, Leo04, M+08, MPW+07, R+07, YS+03]. **Off** [SHC+19]. **Off-diagonal** [SHC+19]. **Ohio** [IEE05b]. **Old** [DMS06]. **Omaha** [R+07]. **One** [ALNO07, JB09, LM12, WTS+08, Wu08]. **ONLINE** [IEE07i]. **only** [BC06]. **Ontario** [IEE07b]. **open** [YAI+04]. **Opportunity** [BIG13]. **Optimal** [LG10, SBC+06]. **Optimization** [OKH+13]. **Optimized** [EKU22]. **OR/MS** [CCLL14b]. **Order** [HW23, PBMW98, PBMW99, KBK05, MP07, Mol02, WMC13]. **Ordering** [JZ07]. **Ordinal** [WI09]. **Organizations** [WHS+06]. **Organizing** [SZ07, Kam10]. **Oriented** [WHS+06]. **Orlando** [H+03]. **Orleans** [C+03, C+01]. **orthogonalization** [SCW+24]. **our** [Lev11b]. **outcome** [WKK+12]. **Outer** [GGGL10, Bai12, GGL07, TLZ+19]. **Outlink** [AG04]. **outlinks** [dKNvD08]. **outperform** [FSZB15]. **Outsmarting** [BB11]. **outsourcing** [YZC+19]. **Over-sampling** [MK19].

P2P [H+07, IEE07i, SSB03, SYSB03, SYYW03]. **P2PSA** [IEE07i]. **Page** [Guo07, GRP07, NNH+07, QX10, SWT08, ZbXF08, HCW+07, LGL+08, LG10, SYYW03, TZ03, YH09b, Low09, MH05]. **Page-reRank** [MH05]. **PageRank** [ATV16, BS23, DHH+02, Dje07, GLY14, ILLS09, Kap08, WW08, Chu07, GLST17, ITB10, TD11, WTX+16, ZXLL10, ZjRZ+10, AM21, AG04, AS09, AOTV12, AGN06, ASH07b, ASH07a, AHL09, Alt04, Alt05, AT05, ACL06, AC07, ABC+07, ACL07a, ACL07b, ABC+08b, ACL08, ABC+08a,

ANTT02, AMM14, AHN19, Aug08, AL06b, AL06a, ALP07, ALNO07, ADN+08, ALP08, AKL18, BYBC06, BCG10, Bai12, BOC22, BIG13, BL06a, BYM08a, BYM08b, Bau08, BC06, BCS05, Ber05, Ber06, BGS03, BGS05, BSV04, BSV05b, BSV05a, BLSV06, BSV07, BPSV07, BPSV08, BSV09, BB12, BRZSC05, BRZ06, BRZ07, BRZ08, Bri06, BLMP04, BLMP06, BP22, CKS11, CGL+23, CATC11, Cha07, CCLL14a, CCLL14b, CM08, CGS02, CGS04, CXMR07, CGW09, CTWZ09, CXLH10, CZR20, CLC24, CS06, Chu09, CTX11, CHH12, CRZT20]. **PageRank** [CG07, CG10, CNP07, Cut09, DD06, DGR05a, DGR05b, DGR07, DSD09, DPSK06, DHH+03, DYFC09, Din11a, Din11b, DS05, DWH+15, Dou07, DSZ07, DLL12, EKU22, EV05, FLM+05, FRJ08, Fia12, FSZB15, FT17, FRCS05, FBFM07, FF07, FBFM08, FGS11, FCS12, Fra10, Fra11, GWR09, GvdHL20, GPR13, GZB04, GP06, GP07a, GGGG07, GGGL10, GCFG10, GLY15, Gle15, GG06, GMA08, GGL07, GK11, Gro15, GCF+20, GXZ15, GW17, GJSC18, GJNC18, GLC22, GRP07, GZ08, Guo20, GPC08, HMPB13, HHY06, Hav02, HKJ03, Hav03, Hig05, HCWW21, HWH+21, HGW24, HQYfZ06, HM15, HW21, HW23, HMC12, HCH07b, HCH07a, IO18, IK05, IK06, IW06, IS07, IS08, IT08a, IT08b, IT09b, ITBD09, IT09a, IT10, JB09, JZM+09, JWSG22, JB08b, JB08a, KYO+06, KT08, KHMG03a, KHMG03b, KHG04a, KL07, KA11, KL02, KCN07]. **PageRank** [KG07, KSM12, KL05, KL10, LSXL17a, LSXL17b, LLPC23, LM04a, LM04b, LM05a, LM05b, LM06b, LM06a, LGZ07, hLqL07, LY08, LLNV17, LLVX20, LSCY23, LJR09, Lin08, LSW09, LZ09, LSV07, LSV08, LSVZ09, LWZX08, LCY09, LLYW10, LG10, LYX12, LEA15, LXY+17, LL24, Lof14, MGZ08, MCW10, MLZ+24, MOG06, MAIiK14, MK19, MPS12, MR04, MR05, MM04, Mas05, MD19, MBM09, MGM08a, MGM08b, MG10, McS05, MP18, MP07, MV18, MT20, MTF04, MBDC15, Miy18, Mol02, NP09a, NP09b, NP09c, Naz10, NWD07, NJFD14, NCJ15, PBMW98, PBMW99, PT08, PMKY23, PRU02, PRU06, PDMW06, PCD+08, PCG08, Ped07, PGRC18b, PGRC18a, PKDM21, PWZW15, PKLK09, PCD15, PPM+17, Pre02, PHW10, QJT07, QX10, QM06, RCM17, Reb12b, RR17, RPB06, RG12, RSA09a, RM05, RM06, RPM07, SSB03, SGP08]. **PageRank** [SGP11, SMPU15, SC05, SLF+11, SHC+17, SHC+19, SSCW22, SCW+24, SYJ+19, Sid08, Sob03, SWT08, SPY+09, SW06, Tan17, TMF05, TLZ+19, TZWG21, TLD22, TVY21, TP08, UCH03, VS19a, VS19b, Vig05, VLD07, WB09, WD04, WST05, WLW07, WTS+08, WLWZ08, WPZ08, WZM10, WMC13, WYW+19, WWZ19, WWG+22, WW23, WHS17, WHY+21, WHS23, WG07b, WG07a, Wil06, WI09, WW07, Wu08, WW10a, WW10b, WWS+10, WWJ12, WZW13, XG04, YAI+04, YWGC11, Yan14, YJZZ23, YC05, YWX+07, YZZZ08, YSX+20, YZTF24, YH09a, YH09b, YYN12, YYL07a, YYL07b, ZXZ11, ZYY07, ZQL+07, ZL08, ZbXF08, ZZL08, ZHWS16, ZMW+18, ZGC18, ZLL+21, ZTYZ23, ZZB09, ZLC+22, ZWSC25, ZYL05, ZFCY13, ZFCY15, ZSW06, dKNvD08, HLF10, SYSB03, ZQ09]. **PageRank-based** [CNP07, BIG13, CTWZ09, FSZB15, FT17]. **PageRank-Like** [PMKY23]. **PageRanking** [CSC10, KOK03]. **PageRank's** [OC21]. **Pages** [AHL09, CON04, KYO+06, KOK03, MYWL04, ZWXZ12, KYK09, Tom03, Tud08]. **PageSim** [LKL06]. **pagine** [Tud08]. **Pairwise** [YMZ19]. **Palm** [IEE06b]. **PaperRank** [AB14, ABS21]. **papers** [BDR10, ZMW+18, A+08]. **paradigm** [Tom03]. **Paradoxical** [BSV04, BSV05b]. **Parallel** [AMM14, BMY05, CATC11, FG07, GZB04, GLST17, HM15, IEE05a, IEE06i, IEE07g, LSXL17a, LSXL17b, MR04, RM05,

RM06, YS+03, ZLJ18, HCWW21, LFL+15, MR05, WG07b, ZTYZ23].
Parallel/Distributed [FG07].
Parallelization [KSM12, QJT07].
Parallelizing [WWZ19, WG07a].
parameters [GCFG10]. **parametric** [HSC07]. **PARELEC** [IEE06i]. **Part** [IT08a, IT08b]. **Partially** [HW23].
particular [BC06]. **Partition** [RM05, ACL07b, MR05]. **Partition-Based** [RM05, MR05]. **Partitioning** [ACL06, CATC11, CLC24, Chu09, AC07, ACL07a, ACL08]. **patents** [RR17]. **patients** [WKK+12]. **Pattern** [LCY09].
PatternRank [XLC20]. **patterns** [EV07].
PC [MR04]. **Peer** [BMZ07, H+07, PDMW06, PCD+08, YAI+04].
Peer-to-Peer [BMZ07, H+07, PDMW06, PCD+08, YAI+04]. **Penalty** [Sob03].
Penetrating [YMZ19]. **Penetrating-rank** [YMZ19]. **penicillin** [YKL07].
Performance [D+07, IEE03, PPM+17, SLF+11]. **Perron** [MP18]. **Perron-based** [MP18]. **person** [OTM03]. **person-centered** [OTM03].
personal [OTM03]. **Personalised** [ZGC18].
personalization [EV05, EV07].
Personalized [ASH07b, ASH07a, AKL18, GRP07, LSCY23, LWZX08, LL24, MLZ+24, PCG08, PL06, VS19a, VS19b, WYW+19, AT10, BCG10, BCS05, Ber06, Cha07, CZR20, FRCS05, GPR13, GP06, GP07a, GLST17, GPC08, JW03, Kam10, MAIiK14, NCJ15, PGRC18b, WMC13, WTX+16, WWZ19, WWG+22, YSX+20, HCWW21, SYJ+19, ZFCY13, ZFCY15]. **Personalizing** [AS09, CNP07, HKJ03]. **Perspective** [PL06]. **perturbation** [ALP08, LLVX20].
PerturbationRank [DLS08]. **photo** [ILLS09]. **pinball** [Hig05]. **Pinning** [CXLH10]. **Pitfalls** [BPSV08, BPSV07].
Placing [FGM+01]. **play** [CCLL14a].
playing [Hig05]. **plex** [Lev11b]. **plot** [VLD07]. **PODS'08** [LL08]. **point** [CRZT20, HW21, LLPC23]. **Poland** [IEE06i]. **polyhedral** [HMC12].
Polynomial [SEH14, CG07]. **polynomials** [JWSG22, MT20]. **Portfolio** [MPG+13].
positioning [DWH+15]. **possible** [YKL07].
potential [SC05, WW08]. **Power** [HW23, WW07, BC06, LSV07, SSCW22, GJSC18, HWH+21, WHY+21].
Power-Arnoldi [WW07]. **power-GMRES** [SSCW22]. **power-law** [BC06]. **PPI** [WZP+14]. **PPRTGI** [MLZ+24]. **PR0** [Sob03]. **Practical** [EKU22, Zho12].
Practice [Din14, CMS10, Lev11a]. **pre** [DWH+15]. **pre-positioning** [DWH+15].
Precision [GCF+20]. **Preconditioned** [SCW+24, WWJ12, WHS23].
preconditioner [SHC+19].
Preconditioning [SEH14, TD11].
Predicting [UCH03]. **Prediction** [GRP07, KL07, FT17, WKK+12].
Predictive [YKL06]. **preferences** [SPLW17]. **preferential** [BOC22].
Preparation [WG06]. **preprocessed** [GJNC18]. **prestige** [Ber07]. **Pride** [PMKY23]. **principal** [Naz10]. **principle** [ALP07]. **Principles** [LL08]. **prioritization** [SPLW17]. **Prioritizing** [AHL09, PMKY23].
Probabilistic [LSV08, BFS03, WMC13].
Probability [MCW10]. **Problem** [CG15, DGR05a, GK11, LM05a, SEH14, WWJ12, WZW13, AB14, CSC10, DGR07, HM15, LSXL17a, LSXL17b, MGM08a, MGM08b, NP09b, Naz10, TLZ+19, Tud08, TD11, WTS+08, Wu08, WW10b].
problema [Tud08]. **Problems** [Arb16, GLC22, HW23, GW17, GJSC18, SHC+17, SHC+19, SCW+24, ZHWS16].
procedures [BRZ07]. **Proceedings** [Bar04, ACM01, BZ06, C+06, FYZ06, FG07, H+03, IEE03, IEE04, IEE05a, IEE05b, IEE06f, IEE06h, IEE07b, IEE07g, LYZ07, MPW+07, NND+05, N+06, OBB07, TW07, YS+03, ACM08, Ano02, Bar03, C+03, C+01, DHX09, Gho04, H+05a, H+07, HW03,

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