A Complete Bibliography of *ACM Transactions on Algorithms*

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254

E-mail: `beebe@math.utah.edu`, `beebe@acm.org`, `beebe@computer.org` (Internet)
WWW URL: `https://www.math.utah.edu/~beebe/`

16 May 2025
Version 1.61

Title word cross-reference

$(2+\epsilon)$ [PS19]. (α, β) [BKMP10]. $(\Delta+1)$ [BGK+22, HP22]. (h, k) [BEJK19]. (k, l) [BDR23]. (k, r) [DFHT05]. $(\min, +)$ [CMWW19]. $(n-1)$ [RW10a]. (s, t) [BBP23]. 1 [KN16]. $1-1/e$ [HTWZ19]. 1.5 [KN16]. 1/3 [DFM23]. 2 [ERV16, Fuj12, GS17, GILP16, HCT+11, HVV19, KN16, LMM+21, SS18]. $2+\epsilon$ [AGLW18]. 2.5545 [HCT+11]. 3 [CLL+12, FLL+19, Heg06]. 4/3 [HVV19]. $4k^2$ [Tho10a, Tho10b]. β [ADGH21]. ℓ_1 [WW22]. ℓ_p [Wei22]. F [ALM+20, Gab25]. H [BCSV20, VWY10]. K [DM09, BBB20, ABF+18, AMS06, BHW20, BEKN23, BPR+17, CGK20, Cha10b, CV20, CMVZ16, CD24, DKR16, DKN17, FHR07, FN10, FPZ23, FGK+24c, GIN+17, GHNR10a, GHNR10b, GWZ21, HHL+16, HMS07, JN24, Laf23, Lev09, Li17, LN22, LBSZ21, PT16, RT22, RRS07, RZ12, SST22, WZ16]. k/r [GWZ21]. L [GGI+21]. l_1 [Fil25, BDW19]. M [HIMŽ19]. n [RW10a]. $n^{0.4}$ [BCAD23]. $n^{4/3}$ [Bon22]. $O(1)$ [BGK+22]. $O(\log k)$ [ACER19]. $O(\log n)$ [KK13]. $o(mn)$ [Cha12]. $O(n^2)$ [BS06a]. $O(n^{2.75})$ [AFM08]. $O(n^{2/3}m)$ [Gab25]. $O(n^3)$ [GT08]. $O(n \log^2 n)$ [KMW10]. $O(n \log n)$

[BKM09b, BKM09a]. $O(nm)$ [CMA+19, KMMP07]. $o(\sqrt{\log n})$ [PS23]. $O(VE)$ [DC05]. $O^\star(2.7k)$ [LN22]. P_3 [LPS24]. P_5 [ALL+25]. P_6 [GKPP22, LPV18]. r [GWZ21]. $s-t$ [CLS+22]. st [BSWN15, KW16b]. t [DP06].

-apices [SST22]. **-Approximate** [DFM23]. **-Approximating** [LMM+21]. **-Approximation** [BCAD23, HVV19, KN16, PS19, Fuj12, KK13]. **-ary** [DP06, RRS07]. **-Center** [CGK20, BHW20, DFHT05]. **-clustering** [Lev09]. **-Coloring** [BGK+22, HP22]. **-Colorings** [BCSV20]. **-Competitive** [PS23, ACER19]. **-Convex** [HIMŽ19]. **-Convolution** [CMWW19, Cha20]. **-CSP** [GS17]. **-Cut** [BSWN15, FPZ23, KW16b]. **-cuts** [BBP23]. **-d** [DM09]. **-deletion** [ALM+20]. **-Dyck** [FGK+24c]. **-Edge** [GILP16, HVV19]. **-Facility** [ABF+18]. **-Forest** [DKN17, GHNR10a, GHNR10b]. **-free** [ALL+25, GKPP22, LPV18]. **-Heavy** [BDW19]. **-Hitting** [FLL+19]. **-Independence** [PT16]. **-Leaf** [Laf23]. **-Matching** [Gab25]. **-Means** [BBB20]. **-Median** [BDR23, BPR+17, HHL+16, Li17]. **-mismatch** [JN24]. **-Opt** [ERV16]. **-packings** [GGI+21, LPS24]. **-Path** [GWZ21]. **-Paths** [LBSZ21]. **-permutations** [RW10a]. **-Plurality** [ADGH21]. **-restrictions** [AMS06]. **-Route** [CMVZ16]. **-Server** [BEJK19, BEKN23, CV20, FN10]. **-Set** [FLL+19, Cha10b, RW10a]. **-Shortcut** [CD24]. **-shredders** [Heg06]. **-Simple** [GWZ21]. **-Spanner** [DKR16]. **-spanners** [BKMP10]. **-subgraphs** [VWY10]. **-Submodular** [WZ16]. **-time** [KMW10]. **-traveling** [FHR07]. **-Walks** [SS18].

0.8776-Approximation [ABG16].

1-center [YLW08]. **1-median** [YLW08].

2-gathering [SZ10]. **2002** [Epp07]. **2007** [Gab09]. **2008** [HT10]. **2016** [BGN+18]. **2017** [MWY19]. **2019** [HK22]. **2020** [KADK22]. **2022** [DMT24].

3-approximation [BPGN09]. **3SUM** [Cha20]. **3SUM-hard** [Cha20].

4-leaf [BLS08].

above [LPS24]. **Access** [ARS+14, BJKK18, CKR12, ELMR21]. **accesses** [CFLM07]. **Achieving** [APF+10]. **ACM** [BGN+18, DMT24, HK22, KADK22]. **ACM-SIAM** [BGN+18, DMT24, HK22, KADK22]. **Activation** [Fuk17]. **Acyclic** [HHM+18]. **Ad** [KMPS16]. **Adaptive** [BPL18, CW16, GM12, Jug24, MPV10]. **Addendum** [GT16a]. **Adder** [BH19, HS18]. **Adding** [GW22]. **Additive** [BKMP10, BW21, PZ24, RS11a]. **Adjustable** [DEK21]. **Adjusting** [Elm17]. **Admission** [AAG09]. **Admit** [LT24]. **Admits** [PS23]. **Adversarial** [CKR12, NE19, CDHW09]. **adversary** [AC10]. **Advertising** [AFH+16]. **Advice** [BFKR21, BFKR25, GP19]. **Affine**

[VZ21, GMT11]. **Agents** [DP14]. **aggregation** [BMSV+09]. **Agnostic** [Wim16]. **agreeable** [JLSS12]. **agreement** [KKK+10]. **Algebraic** [AK18, CLL14, Vig14]. **Algebras** [KW16a]. **Algorithm** [ACER19, AFS18, AKS17, AKLR20, AER15, BKMV20, BDW19, BLS23, BFPP18, BKN21, CMA+19, CLL+12, CMV16, CJL17, CI17, CGMY22, DFM23, DKN17, DS19, ERV16, FPS22, FGK+16, FGK+24c, GKPP22, HHL+16, Hir19, HU20, HVV19, Jug24, KKK18, KK13, KK16, KKR+20, KN16, MMS14, PRS20, PS23, AFM08, And10, AMM07, AR06, BB09, Blä08, BS10, BD11, CCKR11, DC05, CCM10, CKS05, Cla10, CNP+11, DMRW09, DS08, Dji10, DV10, EK07, EPR10, EFKN09, Fuj12, HMS07, IM12, JZ06, KY13, Kau07, KMW10, RW09, VH05]. **Algorithmic** [AMS06, BCFN07, GIKW19, HS17, PSZ24]. **Algorithms** [ASW08, ALM+20, ABF+18, AMW20, AMNS17, AKS21, ACE+23, AFK+18, ADKS25, BGGN16, BBHT17, BKN14, BEKN23, BODD+20, BGH19, BR14, BGN+18, BBM19, BF24, BBT12, BCMSM12, Bre23, BSSX20, BF18, CHA18, Cab19, CFRY22, CLL14, CV20, CFM21, CMVZ16, CDHW09, CMY11, CDP19, CJKV24, DMT24, DGM18, DHK16, DH18, DPS18, EFM+16, EW20, EN19, EHL+18, ELR+08, FLN14, FLK+20, FLPR12, GMP23a, GMP23b, GS17, GKM16, GHH22, GLLZ21, HH17, HKKK16, HT21, Har18, Har21, HL13, HK22, ISG07, JPS22, JCCW22, KADK22, KLP+16a, KBNvL20, KX19, KLP16b, KMPS16, Lac13, LNR+14, LMS18, LRS18, LPS+20, MV15, MP22, NS16, RS17, SST22, SHHA16, Swa16, Ter25, AAK06, AMR09, AF07, AA14, AR09, AGvS13, AKL10, AKR12, BCD12, BKS12, BAT11, BFK+12, BCM11]. **algorithms** [BF07, CPR+11, CMO+08, CMM09, CKP12, CJST07, DFHT05, DI06, DJP+12, EF12, Elk11, Epp06, FP10, FZ07, GS09, GKLT09, GKK+09, GHPT05, HSS07, Iba08, IMY10, JR05, KNS+07, MV08, MZ12, PU07, PR08, RSS06, SZ10, YLW08, CEGK11]. **All-Or-Nothing** [AFH+16]. **All-Pairs** [KT18, Cha12, RS11a, MTZ10]. **Allocation** [AKS17, PS16, CCKR11, GN14]. **Allocations** [AMNS17, LS24]. **Almost** [AL13, BLL+24, BDLP23, DH18, CPL12, Elk05, FKW11]. **Almost-Optimal** [BDLP23]. **Alphabet** [BN14]. **Alphabet-Independent** [BN14]. **Alternating** [NRS18]. **Alternation** [BK08]. **Alternative** [Jug24]. **amid** [AFS18]. **amnesic** [GLPP08]. **among** [CW15, FKS08]. **Amortized** [GHT18]. **Analyses** [BF24]. **Analysis** [BBHT17, BCKM20, BKK+19, ERV16, ER17, FN20, GHPT05, SCRS17, WNN15, dBBJW21, AAY10, AR09, BK08, BAT11, DMM+12, DI06, DK12, EP05, Epp06, FBV09, GN14, GR10]. **analytic** [SSS+11]. **Analyzing** [CCW18]. **Anarchy** [GHLL16, DHMZ12]. **ancestor** [GRR06]. **Ancestors** [Gab17]. **annotated** [GGN06]. **Annotations** [CCMT14]. **anonymity** [APF+10]. **Anonymous** [DP14, GMP17, MPY22]. **Answers** [FGRZ25]. **any** [FKW11]. **apices** [SST22]. **Application** [AFH+16, ARS+14, Coh18]. **Applications** [AZBG+22, ACE+20, BR16, BFR23, CdM22, DEK21, DHK16, EK20, Fil24, GIKW19, Hir19, HJT17, KMNS17, KW16a, LPS+20, PSZ24, Pre21, Swa16, AAY10, AG10, AZ08, BB08, DMM+12, FGPS08, FGGV06, FSP08, NW07, RRS07, VWY10].

applied [BM08]. **Approach** [BFGT16, BFH21, BFV22, Gab16, LMMW16, AAA+06, NW07, VB08]. **Approximability** [BG20, CGNS08]. **Approximate** [AEP18, AC10, AFK+15, BS06a, BCHR20, BSSX20, CW16, DFM23, FJS14, GMP05, GLNS08, HLS07, LBSZ21, PP18, WY18, Wei22, AKR12, BFG09, CSTW12, Vis08]. **Approximately** [FGZ21, FGRZ25]. **Approximating** [AAdFM22, BDR23, CKM+24, CLNV14, CDKL20, Das13, DKR16, FR10, GGI+21, GKK23, GJL12, GGG10, GJNW23, HLS09, KR16, LMM+21, LMMW16, MR09, Mar10, Nut09, Nut12, Oum08, RT13, WY16, Man12]. **Approximation** [Adj19, ALM+20, ABF+18, AMNS17, AKS21, AGLW18, ABG16, BR14, BHPR19, BKM15, BCAD23, BPR+17, CFM21, CMVZ16, DHK16, DKN17, EFM+16, FGL+20, FKRS19, GKK+09, HKKK16, HHL+16, HW19, HL13, HVV19, IMY10, JMR19, JS23, JR05, KK13, KK16, KN16, KW16b, KNS+07, MMS14, MV08, NHK08, PS19, Swa16, TY18, BFKS14, BKLP07, BPGN09, Blä08, BKM09a, BKM09b, CCKR11, CGR08, Cla10, DJP+12, DV10, EFKN09, Fuj12, HIMY07, JZ06, Joh06, Kar08, Kar09, LDX09, RS09, SS08a, VH05, CPR+11]. **Approximations** [ASS19, FIM+06, Jac11, LM11]. **APSP** [AGW23, BGMW20, CW21]. **arbitrarily** [And09]. **Arbitrary** [BCP13, EP12]. **Arborescence** [FLK+20, DV10]. **Arborescences** [KMSY25]. **Arboricity** [ELR20]. **arc** [GGN06]. **arc-annotated** [GGN06]. **Archipelagos** [GRS17]. **architectures** [NW07]. **Arrangement** [TY18, NS10]. **Array** [OOB24]. **arrays** [FGGV06, LK08]. **Arrival** [BH19, LS20]. **Arrivals** [HTWZ19]. **Art** [BM20]. **ary** [DP06, RRS07]. **Ascending** [BGH19]. **Ascending-Price** [BGH19]. **Aspects** [HS17, BCFN07]. **Assembly** [AAGH25, CRTZ24]. **Assignment** [AFH+16, BH12, MMS14, MS17, Soc16, CNP+11, HLS09, Jac11, LM11]. **Asymmetric** [AKS21, Blä08]. **Asymptotic** [HJT17, SS08a]. **Asymptotically** [FV19, GIN+17, HS18]. **asynchronous** [KKK+10, KS08]. **asynchronously** [CPL12]. **Atomic** [FKS08, CKK10a]. **Attachment** [ELMR21]. **auctions** [BLW09]. **Augmentation** [Adj19, MV15, KKPW24, Nut09, VB08]. **Augmenting** [KN16, EFKN09]. **automata** [AKL10]. **automaton** [CFI+08]. **Automorphisms** [iKMNZ25]. **Average** [AR08a, AR09, BF24, RKH20, WNN15, IM12]. **Average-case** [AR08a, AR09, BF24]. **axis** [CKS09]. **axis-parallel** [CKS09].

B [FV16]. **B-Tree** [FV16]. **back** [LY08]. **Backbone** [HT21]. **backtracking** [Epp06]. **Balance** [ABG16]. **Balanced** [AG10, HST15, LS24, LY08, SYZ20]. **Balancing** [BHS14, BKK+19, EDKM07, GMP05]. **Balls** [DT16, AHPSW10]. **Bandwidth** [CP12, BCFN07, EK06]. **bandwidths** [PRV11]. **Barrier** [AEMV24, GS18]. **based** [ABHS22, AMM07, BBM19, Cha10a, GN14, HMS12, MMS14, PU07]. **bases** [MM09]. **Basic** [DKR16, VZ21]. **basis** [NS09]. **Batch** [LS20]. **Batch-arrival** [LS20]. **Batched** [AK18, AAY10]. **batching** [BNGK+09]. **Bayesian** [GM12]. **be** [BGMW20]. **Beating** [Adj19, HTWZ19]. **Beats** [BBM19]. **Behaved**

[FV19]. **Being** [ABG16, FLM+12]. **Bend** [BRW16]. **Berlekamp** [KY13]. **best** [FFM12, PUW08]. **best-response** [FFM12]. **Better** [ABG16, BKN14, BT24, BW21, FG08, Kar09]. **between** [AGW23, CCDL16, MA16]. **Beyond** [ABZ19, BGGS24, EHL+18, FGK+24b, Har16, Li17, WZ16, ASS19, FGYZ22, PRS12]. **BFS** [PP16, PP18]. **Bi** [KR19]. **Bi-Monotonicity** [KR19]. **Bias** [Kav24]. **Biased** [ABG16, HSS22]. **bichromatic** [AAK06, Cha10b]. **Biclustering** [HL13]. **biconnected** [PS10]. **Bicriteria** [ABHS22, RS09, FN10]. **bidders** [BCC+10]. **Bidirected** [CFM21]. **bifamilies** [Nut12]. **Bimatrix** [DFM23]. **Bin** [ADKS25, EPR13, HCT+11, BNLT07, LK08]. **Binary** [FGL+20, HS18, HIMŽ19, STK16, BHMS11]. **Bipartite** [AKLR20, HTWZ19, Lau06, LM19, GKK10]. **bipartiteness** [Epp09c]. **Bipartization** [BLL+24]. **Bisection** [ABG16, SS09]. **Bit** [BH19]. **bits** [PR08]. **Bivariate** [MA16]. **Black** [AHRT05]. **block** [FZ07]. **Blocks** [Wal23]. **Bloom** [NE19]. **Boolean** [DHK16, FGYZ22, KKR19, Mas21]. **Bootstrapping** [FCFM09]. **Bottleneck** [AKS21, DS08]. **Bound** [AAdFM22, CRSS22, Kra14, Soc16, HCT+11]. **Bounded** [ACGP16, Adj19, BEJK19, BGGS24, Cab22, CDJS17, CDP19, ELR20, EFF+15, FMR24, GSV20, GNSW20, JS23, LMS18, PPSV18, SHHA16, BEH+10, BHKK12, Dji10, KK06, MR09, MZ12, OGGW10, PRS12, Svi10]. **Bounded-degree** [BGGS24, MR09]. **Bounded-Genus** [PPSV18]. **bounded-length** [KK06]. **Bounded-tree-width** [GNSW20]. **Bounding** [FGPS08]. **Bounds** [ACHKP21, ABHS22, BODD+20, BN15, BHD+21, BCK+20, CHGG+17, CC25, CDKL20, CGH17, DI25, DLS14, FMR24, HH17, Har19, JW13, KT18, SCRS17, WW22, WY18, AR08a, AGvS13, BD11, CGK+11, Cha10a, CV07, FGPS08, GHKS08, MSS11, PU07]. **box** [AHRT05]. **branch** [GT08]. **branch-decomposition** [GT08]. **Branching** [FPZ23]. **Branchings** [HHM+18]. **Breadth** [HKN17]. **Breadth-First** [HKN17]. **Breaking** [AEMV24, GS18]. **Broadcast** [BKN14, CEGK11, EK07, IM12]. **Brownian** [AZBG+22]. **Bruijn** [SSA25]. **Budget** [EFF+15, RS09]. **Budgeted** [BPR+17]. **Buffer** [AER15, CR18, AKM08, CJST07, GS09, RS11b]. **buffering** [LK08]. **Building** [RT22]. **Burden** [EMS23]. **buy** [BKLP07]. **Bypassing** [GRSW16]. **Byzantine** [KKK+10].

Cache [CR18, FV16, FLPR12]. **Cache-Efficient** [CR18]. **Cache-Oblivious** [CR18, FV16, FLPR12]. **Caching** [ACER19]. **Cake** [CF20, EP11, SHHA16]. **Campaigns** [AFH+16]. **Can** [BGMW20, BCM11]. **Cannot** [BGMW20]. **Cap** [Coh18]. **Capacitated** [JS23, Li17, MZ23, BH12, ELR+08, HKRL07, Hir19, JR05]. **Capacities** [Wan22, MV08]. **capacity** [AGG10]. **Cardinality** [Gab25]. **carpool** [CNP+11]. **Carry** [BH19, IP11]. **Cascading** [CZ24]. **Case** [CHL+20, FGL+19, WNN15, AR08a, AR09, ADHY08, BF24, CFK+07, CV07]. **Center**

[CN19, CGK20, HPJ21, HPST19, ASW08, BHW20, DFHT05, YLW08]. **Center-Type** [HPST19]. **Centrality** [AGW23]. **centralized** [Elk11]. **Certification** [GT16a, GT16b]. **chairman** [CNP+11]. **changes** [CFH07]. **Channel** [BJKK18, CKR12, Soc16]. **channels** [AZ07]. **Checkpointing** [BODD+20]. **Cheeger** [KW16b]. **Cheeger-Type** [KW16b]. **Chordal** [ALM+19, HSS07, Iba08]. **CIOQ** [AR06]. **Circuits** [BH19, FGLS19, HS18]. **circular** [NS10]. **Class** [HIMŽ19]. **Classes** [CDP19, KRS19, SST22, FP10, GKLT09]. **Classic** [dBBJW21]. **Classical** [BBHT17]. **Classification** [CY25, GLS10]. **Claus** [AFS12]. **Clique** [CDP19, FGL+19, GHK+24, HKP+18, Oum08]. **Clique-Width** [GHK+24, CDP19, FGL+19, Oum08]. **cliques** [II09]. **Clocks** [ANFS17]. **Clones** [BG20]. **Closed** [CMA+19, CEV21, SST22]. **closest** [AKS08]. **Closure** [Epp18, Rod08]. **Cluster** [LPS24]. **Clustering** [ABS10, BHW20, BDR23, FKRS19, GMP23b, GLS10, RKH20, ZO08, APF+10, CGK+11, Epp09b, EV10, Lev09]. **CNF** [CDL+16]. **CNF-SAT** [CDL+16]. **Co** [Kra14]. **Co-Nondeterminism** [Kra14]. **Coalescence** [KMTS23]. **Coalescing** [KMTS23]. **coalitions** [FKS08]. **code** [KL06]. **Codes** [MN18]. **Coding** [CLL+12]. **Coin** [BBHT17]. **Collapsing** [KR24]. **Collecting** [CJJ20, Fuk17, HKKN12]. **Collections** [Nav25, CHLS07]. **collective** [GLPP08]. **Color** [CLL+12]. **Colored** [EK20, FGK+24b]. **Coloring** [BGK+22, CHL+20, FGL+19, HP22, SW20b, BNCS08, CKS09, DKT11, HKS11, PRV11, SS08a]. **Colorings** [BCSV20]. **Colors** [DLS14]. **Colouring** [GHH22, ND25]. **Column** [BSSX20, Joh05, Joh06, Joh07, Khu05, Khu06, Khu07]. **Column-sparse** [BSSX20]. **combination** [GHPT05]. **Combinatiorial** [EF12]. **Combinatorial** [AKS17, AAdFM22, BST08, CMM25, CKM+24, FGPS08, GM12, BCN12, FP10]. **combinatorics** [SSS+11]. **Combined** [VZ21]. **Commitment** [EMS23]. **Common** [AW19, BCAD23, CMA+19, Gab17, JN24, CLLJ08, CKS05]. **Communication** [KLPP23, KR16]. **community** [ZO08]. **Compact** [AGM+08, BB08, KRX16, CSTW12]. **Compacting** [CKL+09]. **Comparison** [Cha10a]. **Comparison-based** [Cha10a]. **Comparisons** [AFHN16, CGMY22, CY25]. **Competitive** [ACER19, AKM08, AER15, BEKN23, BAT11, BCI+23, GR10, LMMW16, MRYY24, PS23]. **Competitiveness** [AEMV24]. **Complete** [CRTZ24]. **Completeness** [BG21, GIKW19, Joh05, Joh06, Joh07]. **Completion** [BFPP18, BCK+20, GLP06]. **Complexes** [BS18]. **Complexity** [AAdFM22, BCC21, BCSV25, BCK+20, BBB20, BFKR25, BK24, CKP+19, CBFWW15, CF20, Das13, DHM+14a, DHPR16, EMTG23, FGZ21, FMR24, GHK+24, GJLS17, KKR19, KR24, LM19, Mas21, NZ24, PSZ24, dBBJW21, AK12a, BCMSM12, CEGK11, FLM+12]. **Component** [HKM+12]. **Components** [Lac13]. **Composition** [Neu22]. **Compositions** [Kra14]. **Compressed** [BN14, BGS23, BFV22, CHLS07, CEK+21, FMMN07, FV16, Gaw13, Jez15, BFG09, FV10, MN08, RNO11]. **compressing** [FGGV06].

Compression [GMS19, KW14, FGGV06]. **Computation** [BPL18, BH19, CR18, CDP21, KKR+20, MN18, FIM+06, PT11]. **Computations** [FLS+18, FMS+10]. **Computed** [BGMW20]. **Computing** [AFN+18, AFS18, AMNS17, BF09, BCKV06, BLS23, Cab22, CW15, CMV16, CD24, DGM18, Elk05, FGK+16, MA16, Nav25, NZC11, RW10b, SS18, BB09, Dji10, EPR10]. **Concentration** [HH17, Har19]. **Conditional** [BCSV25, BKN21, DI25, KT18]. **conditions** [ST08]. **configuration** [HKS11]. **confinement** [AKPS10]. **Conflict** [ND25, BNCS08, CKS09]. **Conflict-Free** [ND25, BNCS08, CKS09]. **conflicting** [GHKS08]. **Confusability** [CCKN19]. **Congestion** [KK16, CKK10a, FFM12, FKS08, Swa12]. **congruent** [CKS09]. **Conjunctive** [FGRZ25, CFK+07]. **Connected** [Bre23, FLST18, HVV19, Lac13, SYZ20]. **Connectivity** [AAGH25, BK16, CHGG+17, CC25, CNP+22, Gab16, GILP16, IIK+23, KN16, MV15, CEGS11, CRV11, EFKN09, Kor10, Nut09, Nut12, VB08]. **Conquer** [GS17, HJT17, FGPS08]. **Consensus** [BBT12, CN14]. **consequence** [BGLZ09]. **Conservative** [BG20]. **Constant** [AW19, ATG+14, HHL+16, HP22, Jac11, Laf23, AHRT05, VP07]. **Constant-time** [HP22, AHRT05]. **constants** [IP11]. **Constrained** [ADD+18, BR16, BFR23, CS11, EHR16, Mas21, BMSV+09, DKK06]. **Constraint** [AZBG+22, GRS17, GM14, CMM09, SS09]. **Constraints** [AAGH25, MS17, DH12, GLP06, JZ06]. **Constructing** [EN19, GW07, Elk11]. **Construction** [OOB24, AMS06]. **Constructions** [ES16, SSA25, SCRS17]. **Constructive** [CHL+20]. **contact** [BGPV08]. **content** [BH12]. **Continuous** [CCW18, NW07]. **continuous-discrete** [NW07]. **contractible** [Cab10]. **Contraction** [BLL+24, PSZ24]. **Contractions** [CKL+21b, FPZ23]. **control** [AAG09, Hal12]. **Convergence** [CN14, EDKM07, GN14, FFM12]. **Convex** [BRW16, CDD+15, DEK21, HIMŽ19, MW24, BB09, CAY10, GJL12, MSS11]. **Convolution** [CMWW19, Cha20]. **convolutions** [BF09]. **Coordinate** [BCSV25]. **Coresets** [Cla10]. **Correction** [BPL18, AEL+12]. **Correlation** [BPR+17]. **Correlations** [KKK18]. **corridors** [GGG10]. **Corrigendum** [GHKS13]. **Cost** [BFCF+17, HJ15, MV15, AZ08, AKLR20, BKLP07, EKS05, Fuj12, IMM08, Lev09, Nut12, RS09]. **Cost-Oblivious** [BFCF+17]. **cost-sharing** [IMM08]. **cost-tree** [Fuj12]. **Costs** [Adj19, BRW16, FGK+24a, ELR+08, ST10]. **Counting** [AFK+15, BCN12, BKK17, CW16, FGZ21, FMR24, FGRZ25, GRS17, GS17, GLSY23, LBSZ21, WY18, AC10, BCEG07]. **Cover** [ACS+22, DHK16, DKR16, ER16, Fil25, INV16, KPR16, MMS14, AAG09, Fuj12, GKP08, HL06a, Kar09, Vis08]. **covered** [DC05]. **Covering** [GSV20, LPS+20, SP24, CMA+19, EKS05, HMS12]. **CoveringLSH** [Pag18]. **Covers** [Fuk17, GM14]. **Creation** [EFF+15, GHLL16, DHMZ12]. **Criteria** [ADV+16, GHKS08]. **cross** [IMM08]. **cross-monotonic** [IMM08]. **cryptography** [GHPT05]. **CSP** [GS17]. **CSPs** [CRZ20, KKR19, MWsZ23, PZ24]. **Cubic** [BLS23]. **Cuckoo** [Wal23, DK12]. **Curse** [CJ18]. **Curved** [CW15]. **Curves**

[BDR23, BFL+23, CdM22, IIK+25, EP12]. **Cut** [BCC21, BSWN15, CKM+24, CMVZ16, ER17, FPZ23, GHT18, KW16b, Wah22, CKL+09, CGR08]. **Cuts** [ACHKP21, BEH+10, BBP23, CKL+09, PT11]. **Cutting** [CF20, SHHA16, EP11]. **Cycle** [ALL+25, AEL+12, BFGT16, CRSS22, FGL+19, KW14, CDEM10, GN08, KNS+07, LDX09, MM09, PT11, RW10a, HKM+12]. **Cycle-Finding** [CRSS22]. **Cycles** [FGK+24a, GLSY23, Cab10]. **cyclic** [BS06b].

d [DM09, CLL+12, HCT+11]. **D-Matching** [CLL+12]. **DAGs** [GR10, HH17, MTK+19]. **Data** [BFV22, CCMT14, FF23, Gab17, GKS+11, GIN+17, HMZ16, MRYY24, SCRS17, AKS08, ACY12, BCEG07, BB08, CFLM07, DIL07, GHKS06, GHKS13, GLS10, GKK+09]. **Data-Structure** [MRYY24]. **databases** [CFK+07]. **dates** [KKW12]. **deadline** [CCL+09, GLP06]. **deadlines** [JLSS12]. **Deamortization** [BFH21]. **Deciding** [CCKN19, Kau07]. **Decision** [CPR+11, CZ24, MTZ10]. **Decisions** [KR18]. **decoding** [AGKS07]. **Decomposition** [BLL+24, PSZ24, AZ08, DMRW09, Epp09b, GT08]. **Decompositions** [CKS19, CKL+21b, KLP+16a, DC05]. **Decremental** [Lac13]. **Degeneracy** [CGH17, PRS12]. **Degenerate** [GLSY23]. **Degree** [HKP+18, BGGS24, BHKK12, MR09]. **Degree-4** [HKP+18]. **Delaunay** [OGGW10]. **Delay** [AGGP21, EK06]. **Delays** [FP13]. **Deletion** [ALM+19, ALM+23, CM15, STK16, ALM+20]. **Deletions** [ATG+14]. **Delta** [KKR19]. **Delta-Matroids** [KKR19]. **demand** [CMS07, EK06]. **Dense** [KRS19, ST08, And10]. **density** [KP08, ST08]. **Dependent** [HSS22, KR18, CRR09, JMR19]. **Depth** [BEJK19, HS18]. **Derandomized** [Har19]. **Derandomizing** [CW21, CDP21]. **Derivative** [CDJS17]. **Descent** [Hir19, AKR12]. **Design** [BFV22, BK16, CLS+22, CEV21, AZ08, CKK10b, CGNS08, EKS05, JR05, KSS09]. **Despite** [DPP14, AC10]. **Detecting** [LN22]. **Detection** [BFGT16, AEL+12, HKM+12]. **Determining** [AR08b]. **Deterministic** [BCEG07, BNCS08, BKK+19, BDLP23, BF18, CHA18, CW21, CDJ23, CI17, DP14, FTK20, GP19, Har18, Lac13, LMPS18, LBSZ21, MPY22, NS16, SP24, TSZ14, MTZ10, Ruž08, Ruž09]. **deterministically** [KS08]. **DFTs** [HU20]. **Diagrams** [AK18, DHPR16, MP22]. **Dial** [GNR15, GHNR10a, GHNR10b]. **Dial-a-Ride** [GNR15]. **Diameter** [AGW23, Bon22, Cab19, CKM+24, Sol13, WY16]. **dictionaries** [BB08, FGI09, RRS07, Ruž08]. **Dictionary** [CEK+21]. **Dictionary-Compressed** [CEK+21]. **differ** [EK06]. **different** [Jan05]. **difficulty** [HSB07]. **Digraphs** [CRSS22, HHM+18, CRV11]. **Dilation** [GW22]. **Dilworth** [HHM+18]. **Dimension** [ACGP16, JS23, KRX16, CGK+11]. **Dimensional** [AEP18, BCSV25, CHLT14, HW19, MW24, WY18, CZ24, GLS10, NS09]. **Dimensionality** [CJ18]. **Dimensions** [CHA18, FR10]. **Directed** [CCHM15, CDKL20, GILP16, LL25, BD11, CEGS11, EPR10, GN08, HKRL07, KMW10, NS10, RTZ08, RZ12, VB08]. **Direction** [ADD+18].

Direction-Constrained [ADD+18]. **Discontinuity** [CCW18]. **Discounted** [MTZ10]. **Discovering** [FKW11, GRS17]. **Discrepancy** [EPR13]. **Discrete** [AFK+15, BGN+18, BKN21, DMT24, HK22, KADK22, NW07]. **Discretization** [KLPP23]. **Discs** [ACHM22]. **Disequalities** [FGRZ25]. **Disjoint** [AW19, IIK+25, KK13, KK16, CK07, CS07, DS11, GW07, LPS24, ZO08]. **Disk** [BLL+24, PSZ24]. **disks** [CKS09, GKK+09]. **displacements** [Jan05, Vio05]. **Disposal** [CHJ+18, SHHA16]. **Dissections** [FSP08]. **Distance** [ACGP16, AFN+18, AFK+15, BPL18, BW21, BGMW20, BKN21, BFL+23, CMT22, CD24, EP16, FF23, FGK+24c, GS18, GW20, GSW24, MA16, WY13, ABS10, AHPSW10, AK12a, BS06a, CSTW12, CW10, CM07, DMRW09, FR10, GLNS08, HPR14, MR09]. **Distances** [Cab19, GMV09]. **Distinct** [Bła20, KKW12]. **distortion** [Pet09]. **Distributed** [ASS19, AKR12, AKPS10, BHS14, BJKK18, CHL+20, GKP08, HT21, JW23, KMPS16, PRS20, SCRS17, CMY11]. **distributing** [FMS+10]. **Distribution** [CL22, HS17, LCS+19, BH12, CRV11, Vio05]. **Distribution-free** [LCS+19]. **Distribution-Sensitive** [CL22]. **Distributional** [WNN15, CDHW09]. **Distributions** [CDJS17, HK25]. **Divergent** [GT16a, GT16b]. **Diversification** [BJLY17]. **Divide** [HJT17]. **Divide-and-Conquer** [HJT17]. **Dividing** [HJT17]. **DNA** [KSS09]. **Do** [SZ20]. **Document** [SSTV23]. **Domain** [FGYZ22, Mas21]. **Domains** [VZ21, Wim16, OGGW10]. **dominance** [BST08, Epp09a]. **Dominating** [ASS19, BDH+20, FLST18, GS17, FGPS08, GKLT09, PRS12]. **Domination** [HMVW19, LPV18]. **Dominator** [GT16a, GT16b]. **Dominos** [AARA23]. **Doors** [KR18]. **Dotted** [ALM+12]. **Doubling** [ACGP16, CGMZ16, CJ18, CJJ20, JS23, KRX16]. **Doubly** [SYZ20]. **Drawing** [BRW16]. **drawings** [BLPS13]. **Drift** [LS24]. **Drop** [AEMV24]. **Dual** [AD16, BBP23, DH18, Hir19, WNN15, BCM11, VB08]. **Dual-edge** [BBP23]. **Dual-Pivot** [AD16, WNN15]. **due** [KKW12]. **Dyck** [FGK+24c]. **Dynamic** [ACS+22, AMW20, ALLS07, ANFS17, BCC+10, BFH21, BGK+22, BBM19, BJLY17, CN14, CL22, CKS19, DI25, DFL+25, GS18, HKN17, HP22, KP08, MN08, MTK+19, NS14, NS16, OSSW20, RST14, SW20b, Tao14, AKS08, AHTL05, BKS12, CHLS07, DI06, Elk11, Epp09a, GK09, Iba08, LK08, Rod08]. **Dynamics** [FV19, FFM12]. **Dynamization** [MRYY24].

ear [DC05]. **Easy** [KPR16]. **Edge** [BHPR+20, BK16, CMA+19, CHL+20, CK07, GILP16, GM14, HVV19, IIK+23, KK13, KK16, KN16, MV15, RKH20, BBP23, EFKN09, HKS11, MZ12, SS08a]. **Edge-Connectivity** [IIK+23, KN16, MV15, EFKN09]. **Edge-covering** [CMA+19]. **Edge-Disjoint** [KK13, KK16, CK07]. **Edges** [ADD+18, GW22]. **Edit** [BGMW20, FGK+24c, GS18, AK12a, CM07, DMRW09]. **Editing** [LPS24]. **Editor** [Gab05]. **Editorial** [Alb10a, Alb10b, APP17, BGN+18, Coh21, RRSW16, Sri19, Buc08].

Effective [CLS+22]. **effectiveness** [Swa12]. **Efficient** [AAK06, AFS18, BFF+22, BS18, Bre23, CFRY22, CR18, DH18, EN19, FGK+16, LPV18, MN18, SSA25, SZ10, AAY10, AF07, ADHY08, MZ12]. **efficiently** [AGKS07, BKLP07, CAY10, Heg06]. **Eigenvalues** [TY18]. **Election** [ARS+14, CKP+19, CDJ23, GMP17, MPY22, KKK+10]. **element** [CS07]. **element-disjoint** [CS07]. **Elements** [Bła20]. **Elimination** [YB12, CMM25]. **Embedded** [ADF+15, Cab10]. **Embedding** [ADD+18, BR16, LDX09]. **Embeddings** [AFT19, AEP18, CGR08, Fil25, WW22, ABD+08, CMO+08, IN07]. **Emulators** [EN19]. **encoding** [FSP08, RRS07]. **Encodings** [GIN+17]. **End** [KMPS16]. **End-to-End** [KMPS16]. **Energy** [AF07, CKP+19, CDJ23, DH18, BCD12, CCL+09]. **Energy-Efficient** [DH18, AF07]. **entity** [CPR+11]. **Entropy** [CDI+12, GMS19, PU07, AMM07, CCM10, GMV09, MN08]. **Entropy-based** [PU07, AMM07]. **entropy-compressed** [MN08]. **Enumerating** [BDH+20, CMA+19]. **Enumeration** [II09]. **Enumerative** [HS17]. **Environments** [NE19]. **Envy** [SHHA16]. **Envy-Free** [SHHA16]. **equal** [GP08, IMY10]. **equal-length** [GP08]. **Equality** [Pre21]. **equals** [FGGV06]. **equations** [Epp06]. **Equilibria** [DFM23, FGK+16, BCKV06, CV07]. **Equilibrium** [Das13, EDKM07]. **equitable** [CAY10]. **equivalence** [Kau07]. **Equivalences** [AGW23]. **Equivalent** [CMWW19, GMW20]. **erg** [PUW08]. **Error** [JW13, AKPS10, RS11a]. **Errors** [KT19]. **Essentially** [KPR16]. **Estimating** [EHL+18, CCM10]. **Estimation** [BHPR+20, BT24, HK25, JW23, GMV09]. **ETH** [BLL+24, KBNvL20]. **ETH-Tight** [BLL+24, KBNvL20]. **Euclidean** [AFHS20, BT25, BKM15, CS08, LT24, Sol13]. **Eulerian** [FLM+12, KK13]. **Evaluation** [DHK16]. **Even** [CP12, KKR19]. **everywhere** [CPL12]. **evolution** [FBV09]. **Exact** [AFK+18, CMT22, CP12, GHT18, HJT17, Vio05, BFK+12]. **Excluded** [FLST18, LR15]. **Excluding** [Neu24, RW09]. **Expansion** [CLL+12, PR12]. **Expected** [DHPR16, BS06a]. **Experimental** [DI06]. **Experiments** [FGGV06]. **explicit** [RW10a]. **Exploitation** [GSV20]. **Exploration** [DP14, GP19, TSZ14, AGP+11, CFI+08, DKK06]. **Exponential** [ANFS17, CKP+19, CNP+22, DHM+14a, FP13, GKLT09, JMR22, KLP+16a]. **exponentially** [PR08]. **expression** [BFG09]. **extended** [HPR14]. **extension** [GN14, KMMP07]. **extensions** [BHZ13]. **External** [BF24, SSTV23, CFLM07, LK08]. **Extremal** [CC25]. **extreme** [GGM10].

Face [Fil25, DS11]. **Faces** [KBNvL20]. **Facility** [ABF+18, ANFS17, KS16, MP22, ST10, BH12, Fot11, FS11, MV08, Svi10, SS08b]. **Factor** [Adj19, HHL+16, Cha20, Jac11]. **Factors** [Neu22]. **Failing** [CMT22]. **Failures** [CC25]. **Fair** [AKS17, BK24, PS16, GMP05, GN14]. **False** [Pag18]. **Families** [CEV21, FLPS17, GKM16, AG10]. **family** [ASS08]. **Fan** [HS18]. **Fan-Out** [HS18]. **Fast**

[AL13, BGGS24, BHK+16, BCP24, CN14, CJL17, ES16, HU20, KMTS23, KKK+10, PT11, WY13, YZ05, BS10, BD11, KSS09, RW10b]. **Faster** [AKLR20, BKK17, BH19, CMV16, CD17, CP12, DGM18, EW20, FLN14, FPS22, FZ07, GS17, GW20, HW19, Jez15, Kar08, KKK18, KX19, KLP16b, LNR+14, RSS06, Ter25, BG11, Dji10, Rod08, TM08, MM09]. **father** [SSS+11]. **Fault** [BCHR20, HHL+16, PP16, PP18, SS08b]. **Fault-Tolerant** [HHL+16, PP16, PP18, SS08b]. **Faulty** [KT19]. **Feedback** [ALM+19, CCHM15, KR18, LN22, LRS18, LMM+21, RSS06, Tho10a, Tho10b]. **Few** [BHK+16, KBNvL20, GW07]. **fewer** [PR08]. **FFT** [GKM16]. **Fibonacci** [BLT25]. **FIFO** [And09]. **File** [BBM19]. **Fill** [BCK+20, KMM11]. **Fill-in** [BCK+20]. **fillup** [JS07]. **filter** [CDHW09, DH12]. **Filters** [NE19]. **Filtrations** [BS18]. **Find** [ATG+14, AAY10, RW09]. **Finding** [ALLT11, BK24, CDEM10, Cab10, CAY10, CRSS22, CSS21, FPS22, GN08, Heg06, HMS07, KKK18, MOR13, VWY10, And10, RSS06, Joh07]. **Fine** [GHK+24, dBBJW21]. **Fine-Grained** [GHK+24, dBBJW21]. **finite** [BCN12, CFI+08]. **Firefighting** [ABZ19]. **First** [GIKW19, HKN17, EP05]. **First-order** [GIKW19]. **Fit** [CCDL16]. **Fixed** [BBM19, BBT12, CM15, CCHM15, DFHT05, DHM14b, FPS22, FGK+24b, GST23, MV15, DJP+12, EKS05, KKW12, RSS06, CGK+11]. **Fixed-Parameter** [BBT12, CM15, CCHM15, DHM14b, FGK+24b, MV15, DFHT05, CGK+11]. **Flajolet** [SSS+11]. **flash** [BAT11]. **flexible** [AR05]. **Flip** [BBT12, BCC21]. **Flips** [IIK+23]. **Flow** [AGLW18, KKPW24, KT18, LL25, AF07, AKR12, AGG10, BD07, BFKS14, BKMSS11, CMS07, EF12, GMT11, HL06b, IM12, Kar08, TM08]. **Flow-augmentation** [KKPW24]. **Flows** [CCG+24, Wan22, BEH+10, EKS05]. **Fooling** [Har18]. **For-All** [GLPS17]. **Forbidden** [ACGP16, GJLS17]. **Forbidden-Set** [ACGP16]. **Forest** [BKM15, CDKL20, CJKV24, DKN17, GHNR10a, GHNR10b]. **Foreword** [CRR13, Epp07, Gab09, HT10, LOM06, Mat10, Gab05]. **Form** [BLS23]. **Formulas** [KT19]. **formulation** [CKL+09]. **Foundations** [FJS14]. **Fourier** [MRR06]. **FPT** [BD11, CDP19]. **FPTAS** [KKW12]. **Fractional** [CZ24, GM14, CKK10b, Kar08, Mar10]. **Framework** [Coh18, Har16, AKR12]. **Frank** [Cla10]. **Fréchet** [AFK+15, BKN21, BFL+23, CD24, CW10, FF23, GSW24, HPR14]. **Free** [BFF+22, CHJ+18, GHLL16, KRX16, ND25, SHHA16, ALL+25, BNCS08, BDH+20, CKS09, DKT11, FGZ21, GKPP22, LCS+19, LPV18, Saw06]. **Frequency** [Coh18]. **Frugal** [AT07]. **full** [FMMN07, KKK+10, MN08]. **full-text** [FMMN07, MN08]. **Fully** [BKS12, BGK+22, CDP19, DFL+25, FLS+18, Iba08, Jez15, NS14, NS16, OSSW20, AHTL05, Elk11, Rod08, RNO11]. **Function** [BCP13, DHK16, DP06, SS09]. **Functional** [NZ24, NS14, CMY11]. **Functions** [BJLY17, CD17, Fel17, MPQS20, MA16, WZ16, AG10, GMT11, Vig14].

Fuzzy [BBB20].

galled [MSS11]. **Gallery** [BM20]. **Galois** [AK12b]. **Game** [EFF+15, BCKV06]. **Games** [ADGH21, DFM23, FV19, CKK10a, DHMZ12, FFM12, FKS08, GMT11, Swa12]. **Gap** [FP13, HKP+18, LL25]. **Gaps** [ABZ19]. **gas** [KMM11]. **Gasoline** [NRS18]. **Gathering** [DPP14, BKMSS11, RS11b, SZ10]. **General** [DPS18, ES16, EP16, ERV16, GMS19, MWsZ23, AAA+06, JZ06, MR09, ABD+08]. **General-valued** [MWsZ23]. **Generalization** [BR14, HHM+18, JCCW22, KMSY25, CF05]. **generalizations** [VB08]. **Generalized** [ACER19, AFH+16, BEKN23, CN19, CV20, HU20, CGR08, HL06a, Lev09]. **generate** [BS10]. **Generating** [BBHT17, BHPR19, Saw06]. **Generation** [CMM25]. **Generators** [ELMR21]. **Generic** [MRR06, OOB24, RT22]. **Genome** [CRTZ24]. **Genus** [PPSV18, Dji10]. **Geodesic** [Cab22, CW10, KR19, OGGW10]. **Geometric** [ACS+22, CGK+11, Cha20, CJKV24, DI25, GGI+21, GS18, GRSW16, Vig14, BCEG07, BCH+12, CCHP12, Epp09c, GLNS08]. **Geometry** [BFF+22]. **Getting** [PUW08]. **Gibbs** [HK25]. **Girth** [DKR16, RT13, Dji10]. **Gives** [DH18, CFR10]. **Good** [ADK16, CFR10, Kol08]. **Grained** [GHK+24, dBBJW21]. **Graph** [AGW23, BRW16, BF24, CMA+19, CDP21, FGL+19, Gab16, GHK+24, GP19, GW22, KMZ18, KN16, KRS19, SST22, SW20b, SYZ20, BKS12, BLPS13, CFI+08, DFR09, DKK06, EFKN09, GKLT09, RW09, SS09, Wil10]. **Graphs** [ACGP16, ALL+25, AFT19, ASS19, ADF+15, ADD+18, AKLR20, BLL+24, BGGS24, BDH+20, BSWN15, BK16, BDLP23, Cab19, Cab22, CKM+24, CMT22, CEV21, CR18, CDP19, CGH17, DHK14, DPS18, ES16, EP16, EMTG23, EHL+18, ELMR21, Fil25, FGZ21, FMR24, FLS+18, FLST18, GILP16, GLSY23, GST23, GJNW23, GNSW20, GKPP22, GSW24, JS23, KMTS23, KK13, KKPW24, LR15, LPV18, LMS18, LM19, Neu24, OSSW20, PSZ24, PPSV18, Wan22, WY16, AS07, ALM+12, ASS08, BFKS14, BS06a, BHKK12, BKM09a, BKM09b, BGPV08, BHLR10, Cab10, DC05, Cha12, CEGS11, CSTW12, DS11, DFHT05, Dji10, DKT11, EPR10, Epp09a, Epp09c, GKK10, GT08, HKRL07, HSS07, Iba08, KMW10, KP08, KK06, Lau06, MR09, MZ12, PS10, PRV11, PRS12, RTZ08, RZ12, RST14, VWY10, VH05]. **graphs** [YB12]. **Gray** [KL06, MN18]. **Greedy** [FN20, LT24, CKS05, Cla10, CNP+11, FP10, GR10, RS11b]. **Gromov** [AFN+18]. **Group** [DHK14, KW16a]. **Groups** [CZ18, Neu22, AMR09, AK12b]. **Guarantees** [TY18, BST08]. **Guarding** [AFK+18]. **Guessing** [AGKS07]. **Guest** [Buc08]. **guided** [CFI+08].

Hadamard [CI17]. **Half** [HJT17]. **halfplanes** [CKS09]. **Hamiltonian** [FGL+19]. **Handed** [AAGH25]. **Hanoi** [ASS08, BS06b, DS08]. **Hard** [CDL+16, GKM16, BH12, Bon22, Cha20, Vis08]. **hard-capacitated** [BH12].

Hardness [BM20, BKN21, CMVZ16, DKR16, CPR+11, KNS+07, KM12]. **hash** [AG10]. **Hashing** [Pag18, Wal23, DK12, Jan05, Vio05]. **Haste** [SHHA16]. **Hausdorff** [AHPSW10, AFN+18]. **haystacks** [Joh07]. **Heap** [CR18]. **Heaps** [BLT25, Elm17, HKTZ17, KT08]. **heaviest** [VWY10]. **Heavy** [BDW19, BNS19]. **Helps** [CCG+24]. **Hermite** [BLS23]. **hidden** [FKW11]. **Hierarchical** [CGMZ16, LK08, ST10]. **High** [AFS18, AEP18, BCSV25, Bła20, GHM+24, FR10, GLS10]. **High-Dimensional** [AEP18, BCSV25, GLS10]. **High-Quality** [AFS18, GHM+24]. **Higher** [ACHKP21, TY18]. **Highway** [JS23]. **Hinders** [CCG+24]. **Hitters** [BDW19, BNS19]. **Hitting** [ACS+22, FLL+19, GJLS17, GST23]. **Hoc** [KMPS16]. **Holant** [BG20, GLLZ21]. **Hole** [CSS21]. **Hollow** [HKTZ17]. **Homomorphic** [GLSY23]. **Homomorphism** [GHK+24]. **Homomorphisms** [FMR24]. **hop** [FCFM09]. **hop-optimal** [FCFM09]. **Hopcroft** [CZ24]. **hospitals** [KMMP07]. **hospitals-residents** [KMMP07]. **hotlink** [Jac11, LM11]. **Hub** [BGGN16]. **Hulls** [DEK21, BB09]. **Hunt** [BDLP23]. **Hunts** [TSZ14]. **Hyperbolic** [BFF+22, Epp09b]. **Hypergraph** [GHM+24, Har19, Neu22, AFS12, LDX09]. **Hypergraphs** [FPZ23, ND25, RKH20]. **Hyperplane** [AFHS20]. **hypertree** [Mar10].

I/O [AAY10, CFRY22, MZ12]. **I/O-Efficient** [CFRY22, AAY10, MZ12]. **Ideal** [Mas21]. **identical** [GP08]. **identification** [CPR+11]. **Identity** [BCSV25]. **idle** [AA14]. **IDs** [DLS14]. **II** [AAHP+16, KKPW24, SST22]. **III** [FGL+19]. **Im** [BCKV06]. **Image** [BMR22]. **Images** [RT14]. **impatient** [BCC+10]. **Implementation** [BBHT17, HMS07]. **Implicit** [FLL+19]. **Imprecise** [AFHN16]. **Improved** [AER15, BKK+19, BFG09, BBT12, BKN21, BPR+17, CHA18, CJ18, CMO+08, CKP12, CLL+12, CJST07, DKN17, EFM+16, FGK+24c, GS09, GHKS06, GHKS08, GNSW20, HIMY07, HSS07, KK16, LM11, Lac13, LS24, SW20b, Swa16, YLW08, AR06, CCKR11, CGR08, EK07, BKLP07, GHKS13]. **Improving** [BCC21, CKS19, GW22, JCCW22]. **In-** [JMR19]. **Inapproximability** [BG21, GRSW16, KS16]. **inclusion** [BG11]. **incomplete** [GLS10]. **Incremental** [BFGT16, GHT18, HKM+12, AFM08]. **Independence** [BGGS24, FGYZ22, LPV18, PT16]. **Independent** [BHPR+20, BN14, GHH22, GKPP22, Har19, LM19, LPS+20, AGM+08, Epp09a]. **index** [FV10]. **indexable** [RRS07]. **Indexes** [CEK+21, BHMS11, BCH+12, CHLS07, FMMN07, MN08]. **Indexing** [BN14, BCKM20, BFG+16, BGS23, Pre21, FGGV06]. **Individual** [Jan05, Vio05]. **Induce** [FP13]. **inequality** [BGLZ09, Blä08]. **Infants** [GKM16]. **infeasible** [BST08]. **Infinite** [CKL21a, VZ21, ASS08]. **Information** [GMP17, AHTL05, BCKV06, CFK+07, EF12, GMV09, KKK+10, RS11b, MNS12]. **Injecting** [BLW09]. **Input** [GSW24]. **Insert** [BPL18]. **Insertion** [BDW19, AHRT05, Jan05]. **Insertions** [ACHM22]. **Inspired** [ALM+19]. **Instability** [And09]. **Instances** [DKR16, Vis08].

Integer [BLS23, EW20, CMS07, CLLJ08]. **Integrality** [ABZ19, HKP+18, LL25]. **interchanges** [FZ07]. **Intersection** [HIMŽ19, BK08, Epp09c]. **Interval** [ALM+23, BFPP18, CM15, EHR16, ND25, ALM+12, BHLR10, PRV11]. **intervals** [BNCS08]. **Introduction** [DMT24, GBFC07, HK22, KADK22, LPW20, MWY19]. **Invariant** [Wim16]. **Inverse** [BLW09, Cab22, NZC11]. **Investigation** [KR18]. **IP** [VZ21]. **IPs** [KR24]. **Irreducibles** [BHK+16]. **Ising** [SS09]. **isolated** [II09]. **Isomorphism** [ABH+18, GNSW20, Neu22, Neu24]. **Isomorphisms** [iKMNZ25]. **Issue** [BGN+18, CRR13, DMT24, HK22, KADK22, LPW20, MWY19, RRSW16, Epp07, GBFC07, Gab09, HT10, Mat10]. **Items** [CZ18]. **Iterations** [MPQS20]. **Iterative** [CLL+12]. **IV** [CMM25].

Jitter [HS09]. **jobs** [DJP+12, GHKS08, GP08]. **Johnson** [AL13, JW13]. **joint** [ELR+08]. **Journey** [HPJ21]. **Jump** [CCW18]. **Junta** [LCS+19]. **Juntas** [Har18].

Kernel [ALM+19, ALM+23, BRFF+12, CGH17, KW14, KPR16, Tho10a, Tho10b]. **Kernelization** [DLS14, GJLS17, Kra14]. **Kernels** [FLST18, FLL+19, KLP+16a, KRS19, Wah22, PRS12]. **keys** [BB08]. **Kinetic** [AKS08]. **Knapsack** [DHK16, GGI+21, GNR16, HW19, MW24, Swa16]. **Knapsacks** [CZ18]. **Know** [SZ20]. **Known** [LMS18, CRV11]. **Knuth** [BGLZ09]. **Kt** [BDH+20]. **Kt-free** [BDH+20].

Label [BGGN16, CFI+08, DKR16, MMS14]. **Label-guided** [CFI+08]. **Labeling** [Kor10]. **Labels** [ACGP16]. **Languages** [CMM25]. **Large** [DKR16, AGG10, RW10b]. **Latency** [BMSV+09, INV16, GMT11]. **Latency-constrained** [BMSV+09]. **lattice** [NS09]. **Lattices** [BHK+16]. **law** [CSTW12]. **layouts** [BGPV08]. **LC** [JS07]. **Leader** [ARS+14, CKP+19, CDJ23, GMP17, MPY22, KKK+10]. **Leaf** [Laf23, BLS08, DV10, BD11]. **Lean** [CKL+21b]. **Learned** [BFV22]. **Learning** [BCSV20, Wim16]. **least** [Kol08]. **leaves** [BRFF+12]. **left** [DMM+12]. **left-to-right** [DMM+12]. **Lemma** [CHL+20, EW20, HH17, Har18, Har21, Har16]. **Lempel** [BFG09]. **Length** [BEH+10, Cab22, BB08, GP08, KK06]. **Length-bounded** [BEH+10]. **lengths** [KMW10, MZ12]. **Leontief** [GN14]. **Level** [KR19, GRR06]. **level-ancestor** [GRR06]. **Levels** [MN18]. **Liars** [Sha16]. **Light** [CWN18]. **Lightweight** [ES16]. **Limitations** [IMM08]. **limited** [KKM11]. **Limits** [KW16a, Joh06]. **Lindenstrauss** [AL13, JW13]. **Line** [BHD+21, KPR16, PS23, BFKS14, GS09, RS11b]. **Linear** [AW19, BCKM20, BPGN09, BSWN15, BCAD23, CHA18, CRTZ24, CCKN19, CLL14, EP16, HS18, iKMNZ25, KLP+16a, KKR+20, LNR+14, LMPS18, LRS18, MA16, PT16, RS17, TY18, WY16, BB09, BG11, BLS08, CKK10a,

CKL+09, DKT11, EPR10, FP10, GHPT05, Jan05, KMW10, MOR13, NZC11, RW09, VH05, Vio05]. **Linear-Size** [EP16]. **linear-space** [KMW10]. **Linear-Time**
[BCAD23, CRTZ24, KKR+20, RS17, BCKM20, BLS08, RW09, VH05]. **Lines** [DT16, BB09, GLS10]. **Link** [CBFWW15]. **Linking** [Gab17]. **links** [GW07]. **List** [FMR24, AGKS07, AGvS13]. **Load**
[ABF+18, BHS14, BKK+19, GPSS15, Wal23, EDKM07, GMP05]. **Load-Balancing** [BKK+19]. **loads** [And09]. **Local**
[BNS19, CHL+20, DP14, ER17, HH17, Har16, Har18, Har21, JMR22, PS16, And10, BCM11, KP08, LK08]. **local-ratio** [BCM11]. **Locality** [Pag18]. **Locality-Sensitive** [Pag18]. **Locating** [KT19]. **Location**
[ABF+18, ANFS17, AK18, Cha13, CL22, KS16, MP22, AGG+09, AMM07, BH12, BCH+12, CDI+12, Fot11, FS11, MV08, ST10, Svi10, SS08b]. **Locations** [GLLZ21]. **Log*** [CZ24]. **Logarithmic**
[Cha20, EP16, AGP+11, BFKS14]. **Logarithmic-factor** [Cha20]. **Logit** [FV19]. **long** [GN08]. **Longest** [AEMV24, BCAD23, JN24, EP05]. **loopless** [KL06]. **Lopsided** [Har21, Har16]. **Lopsidependency** [Har16]. **losing** [KM12]. **lot** [ELR+08]. **Lottery** [HPST19]. **Lovász**
[CHL+20, HH17, Har16, Har18, Har21]. **Low**
[CHA18, CKM+24, CDP21, FLS+18, FGL+20, KRX16, NS09, KP08, Pet09]. **Low-dimensional** [NS09]. **Low-rank** [FGL+20]. **Low-treewidth** [CKM+24]. **Lower** [ACHKP21, ABHS22, BN15, BCK+20, CRSS22, CDKL20, DI25, DLS14, Kra14, KT18, SCRS17, Soc16, Svi10, AR08a, AGvS13, CGK+11, Cha10a, MSS11]. **Lower-bounded** [Svi10]. **LP**
[CCW18, HKS11, Li17, LL25, MMS14, VZ21]. **LP-based** [MMS14]. **LZW** [Gaw13].

Machine [GSV20, HJ15, JMR19]. **Machines**
[EMS23, SZ20, CKK10b, GP08, GLP06, TM08]. **maiden** [EP05]. **Maintaining** [ACHM22, AHTL05, Elk11]. **Maintenance**
[HKN17, HKM+12]. **majorization** [GMP05]. **Makes** [SHHA16]. **Makespan** [GNR15]. **Making** [Ruž09]. **malleable** [JZ06]. **Management**
[AER15, AKM08, CJST07]. **Many** [BKMV20, BK24, BRFF+12, Joh06]. **Many-to-One** [BK24]. **Many-visits** [BKMV20]. **Map** [GSW24, DFHT05]. **Mapping** [CDD+15]. **Maps** [iKMNZ25]. **Market** [FGK+16]. **Markets** [BGH19]. **Markov** [FBV09, MTZ10]. **marriage** [HIMY07, IMY10]. **mask** [BF09]. **Massey** [KY13]. **Massively** [CDP21]. **MAST** [BPGN09]. **Matching**
[AKLR20, BFH21, BG14, CCW18, CLL+12, CHLT14, DPS18, EMTG23, EHL+18, FLN14, Gab25, Gaw13, GSW24, HTWZ19, Jez15, JN24, LS20, NS16, PS19, PS23, ALLS07, BFG09, DC05, CS11, CM07, GGN06, HLS07]. **matching-covered** [DC05]. **Matchings** [BK24, Kav24, AFS12, GKK10, GKP08, IKM+06, KMMP07, KR16, Mes14, RW10b, VH05, GKK23]. **Matrices** [DHS16, FLS+18, GMW20, KMNS17, KLP16b]. **Matrix**

[BLS23, FGL+20, SWYZ21, WY13, KY13, YZ05]. **Matroid** [CLL14, GNR16, KMSY25, Swa16, Ter25]. **Matroids** [DFL+25, FGLS19, KKR19, KW14, LMPS18]. **Max** [AKS17, ABG16, BR14, BCC21, BJLY17, KT18, PRV11, PS16, Wan22, BD11, CRZ20, GS17]. **Max-coloring** [PRV11]. **Max-CSPs** [CRZ20]. **Max-Flow** [KT18]. **Max-Leaf** [BD11]. **Max-Min** [PS16]. **Max-Sum** [BJLY17]. **maxima** [DMM+12]. **Maximal** [BFH21, Har19, NS16, PS10, Epp09a, GKP08, IKM+06]. **Maximin** [AMNS17]. **Maximization** [BF18, BFS19, CHJ+18, DFL+25, EMS23, BNGK+09]. **Maximizing** [Fel17, GPSS15, MS17, WZ16]. **Maximum** [ER17, FGK+24b, Gab25, GMW20, GKPP22, IIK+23, KMNS17, LS20, MMS14, PS19, CMM09, DV10]. **Maximum-Cut** [ER17]. **MaxMin** [GNR16]. **may** [EK06]. **Mazing** [AGLW18]. **mean** [HL06b]. **meanders** [BS10]. **meandric** [BS10]. **Means** [BBB20]. **Measure** [DI25, GS17, AZ08, FGPS08]. **measures** [ABS10]. **Mechanism** [CKK10b]. **mechanisms** [AT07]. **Median** [BDR23, BPR+17, HHL+16, Li17, Swa16, Cha20, YLW08]. **Medium** [ARS+14]. **Meet** [BKK17, CKL+21b, CPL12]. **Meet-in-the-Middle** [BKK17]. **Meeting** [KMTS23]. **meets** [AFS12]. **Melding** [MTTZ06]. **Membership** [Mas21]. **Memory** [DEK21, FP13, SSTV23, AKM08, AGP+11, AC10, BAT11, CFLM07, GLPP08, KKM11, LK08]. **Memory-Adjustable** [DEK21]. **Memoryless** [CV20, Fot11]. **MEMs** [Nav25]. **mergeable** [GKS+11]. **mesh** [FSP08]. **Message** [PRS20]. **Message-Optimal** [PRS20]. **Metastability** [FV19]. **methods** [BCN12]. **Metric** [AFN+18, ACE+23, GW22, HPMO23, ABS10]. **Metrics** [BEKN23, CGMZ16, CJ18, CJJ20, CGR08, GS09]. **Middle** [BKK17, MN18]. **Mighty** [DS19]. **Migration** [BBM19, GSV20, GHKS06, GHKS13]. **mimicking** [Wah22]. **Min** [AKS17, BR14, BSWN15, DHK16, GHT18, PS16]. **Min-Cut** [GHT18]. **Min-Knapsack** [DHK16]. **Min-Max** [BR14]. **minima** [BLW09]. **Minimal** [BDH+20, FGPS08]. **Minimization** [HL13, AF07]. **Minimize** [RKH20, AAG09, EK06, TM08]. **Minimizing** [BD07, BKMSS11, DHM+09, DHM14b, FS11, GLP06, HL06b]. **Minimum** [ABF+18, AKLR20, BBP23, BCK+20, BBT12, FPZ23, GPSS15, GNR15, HS18, HVV19, INV16, KLPP23, MV15, MM09, PRS20, TY18, AGM+08, ABD+08, BCD12, CKL+09, CLLJ08, CKS05, CS08, Fuj12, GKLT09, HL06a, HLS09, JR05, KKW12, Lev09, Nut12, PR08]. **Minimum-Cost** [MV15, AKLR20, Nut12]. **Minimum-Flip** [BBT12]. **Minimum-Load** [ABF+18]. **minmax** [YLW08]. **minmax-regret** [YLW08]. **Minor** [CEV21, GST23, LR15, SST22, RW09]. **Minor-closed** [CEV21, SST22]. **Minors** [FLST18, GJLS17]. **Minset** [Gab16]. **Minset-Poset** [Gab16]. **minsum** [GHKS08]. **Minwise** [PT16]. **MIS** [FN20, OSSW20]. **Mischief** [DPP14]. **mismatch** [JN24]. **Mixing** [FGYZ22]. **mobile** [FS11]. **Model** [AN16, CMR18, FTK20, HPST19, LS20, PS19, And09, FCFM09]. **Models** [GST23, JW23, AR05, FBV09]. **Modern** [BBHT17]. **Modification** [LPS24].

Modification-disjoint [LPS24]. **Moment** [JW23]. **moments** [LK08]. **Monge** [GMW20, KMNS17]. **monitoring** [CMY11]. **Monotone** [BJLY17, FGK+24a, IIK+23]. **monotonic** [IMM08]. **Monotonically** [CdM22]. **Monotonicity** [KR19, BGLZ09, FR10]. **Morphing** [BLPS13]. **Moser** [Har16, HS17]. **motif** [FKW11]. **Movement** [DHM14b, HKKK16, DHM+09, FS11]. **moves** [CM07]. **moving** [Kol08]. **MST** [Fuj12]. **Multi** [ADK16, GNR15, BS06b, CRR09]. **multi-peg** [BS06b]. **Multi-Pivot** [ADK16]. **multi-scheduling** [CRR09]. **Multi-Vehicle** [GNR15]. **multicast** [CRR09]. **multicasting** [AR05]. **Multicommodity** [CMS07, AKR12, BKLP07, Kar08]. **multicover** [CCHP12]. **multicriteria** [Man12]. **Multicut** [Wah22]. **Multicut-mimicking** [Wah22]. **Multicuts** [RS17]. **Multidimensional** [YZ12]. **Multiflow** [Hir19]. **multigraph** [SS08a]. **multigraphs** [HKS11]. **multihop** [AZ07]. **multilabeled** [BHMS11]. **Multilevel** [KS16]. **Multipartite** [EJK08]. **multiparty** [FIM+06]. **Multiple** [BJKK18, CZ18, CKR12, BHLR10, FKW11, HS09, VP07]. **multiple-interval** [BHLR10]. **Multiplication** [WY13, IP11, VP07, YZ05]. **Multiplierless** [VP07]. **multisets** [RRS07]. **Multistage** [KR24]. **multivariate** [Epp06]. **Multiway** [Wah22].

name [AGM+08]. **name-independent** [AGM+08]. **Nash** [Das13, DFM23, EDKM07, GKK23, IIK+23]. **Natural** [Li17]. **Navigating** [BFKR21]. **Navigation** [DEK21]. **Near** [ACHM22, ADKS25, BSWN15, Bre23, CDJ23, CMM09, CWN18, GLPS17, Wei22, WY16, CCM10, EPR10]. **Near-Linear** [BSWN15]. **near-linear-time** [EPR10]. **Near-Optimal** [ACHM22, CDJ23, CWN18, GLPS17, ADKS25, Bre23, CMM09, CCM10]. **Nearest** [AAHP+16, AEP18, Gab17, IN07, AKS08]. **Nearest-Neighbor** [AAHP+16]. **Nearest-neighbor-preserving** [IN07]. **Nearly** [CI17, DKN17, KBNvL20]. **needles** [Joh07]. **Negations** [FGRZ25]. **negative** [CGR08, KMW10]. **negative-type** [CGR08]. **Negatives** [Pag18]. **Neighbor** [AAHP+16, AEP18, IN07]. **Neighborhoods** [AFHS20, CJ18]. **Neighbors** [Wei22, AKS08]. **nested** [Kau07]. **Network** [BK16, CLS+22, CEV21, CFM21, DP14, EFF+15, Fuk17, GHLL16, PPSV18, AR05, AAA+06, And09, AZ08, CEGS11, CGNS08, DHMZ12, EKS05, FCFM09, HKKN12, JR05, Swa12]. **Networks** [BHS14, BFF+22, CN14, CLNV14, DGG+20, HKN17, KRX16, KMPS16, MPY22, Wah22, AZ07, AGG10, BH12, BMSV+09, MSS11, NHK08, PR12]. **nilpotence** [AK12b]. **No** [EMS23, FG08, BRFF+12, PS23]. **Node** [CCW18, CEV21, DHK14, Hir19, HKRL07, RS09]. **Node-capacitated** [Hir19, HKRL07]. **node-cost** [RS09]. **Node-Weighted** [CCW18, DHK14, CEV21]. **Noisy** [BFKR21, BFKR25]. **Non** [CGK20, OOB24]. **Non-recursive** [OOB24]. **Non-Uniform** [CGK20]. **nonabelian** [AMR09]. **nonavailability** [DJP+12]. **Nondecreasing** [Wil10]. **Nondeterminism** [Kra14]. **Nonlinear** [HJ15]. **nonmetric** [ABS10]. **Nonmonotone** [ADV+16]. **nonpreemptive** [GP08]. **Nonsingular** [BLS23].

nontrivial [KS08]. **Normal** [BLS23]. **note** [Alb10a, AHRT05, Alb10b]. **Nothing** [AFH+16]. **Novel** [NW07]. **Nowhere** [KRS19]. **NP** [DS19, GKM16, Joh05, Joh06, Joh07]. **NP-completeness** [Joh05, Joh06, Joh07]. **NP-Hard** [GKM16]. **NP-Mighty** [DS19]. **Number** [SZ20, CFR10, KKW12, KS08]. **Numerical** [KLP16b].

O-Efficient [CFRY22, AAY10, MZ12]. **Oblivious** [BFCF+17, CCW18, CR18, FV16, FLPR12, HKRL07, Har21, WW22]. **Obstacles** [AFS18, CW15]. **occurrences** [BCN12]. **Odd** [ALL+25, CSS21, FGL+19, KW14]. **off** [DFR09]. **offline** [BNCS08]. **One** [BK24, Kav24, CDEM10, Fot11]. **One-Sided** [Kav24]. **Online** [ACE+23, ADKS25, AGGP21, BODD+20, BT25, BJKK18, BHD+21, BCI+23, BFS19, CHJ+18, CKS09, DH18, EMS23, EV06a, GSV20, GP08, HTWZ19, JLSS12, JPS22, KB06, LS20, LMMW16, MNS12, AAA+06, AAG09, AKL10, BNCS08, BF07, CCL+09, CJST07, CNP+11, EV10, GS09, GMP05, IM12, PU07, PRV11, YZ12, HCT+11, LK08]. **open** [BS10, GHKS06, GHKS13]. **Opposite** [SSA25]. **Opt** [ERV16]. **optical** [AZ08]. **Optimal** [ACHM22, AL13, AGvS13, AAdFM22, AD16, BN15, BDW19, Bła20, BRW16, BDLP23, CMA+19, CDJS17, CDJ23, CWN18, CI17, CEK+21, CGMY22, DH18, DKK06, Elm17, Gaw13, GLPS17, GMS19, GIN+17, GT08, GRSW16, HT21, Han07, JW23, JW13, LMS18, LMMW16, MP22, PRS20, Pre21, Wei22, ADHY08, ADKS25, BKMV20, Bre23, CCM10, CMO+08, CMM09, DMRW09, FCFM09, FSP08, GK09]. **Optimal-Time** [CEK+21]. **Optimality** [DS08, CNP+11]. **Optimally** [EK06, KS08, TM08, Wil10]. **Optimization** [BGGN16, BHLR10, BPR+17, GM12, GNR16, AAA+06, GJL12, Vig14, MNS12]. **Optimizing** [CCL+09]. **Oracle** [BBP23, BSWN15, EP16, LR15, CSTW12]. **Oracles** [BHPR+20, CMT22, GW20, Har21, KK06, WY13, BS06a, GLNS08]. **Order** [HL13, BF07, BM08, GIKW19]. **Order-Preserving** [HL13]. **Ordered** [KR19]. **Ordering** [BR16, CFR10, AFM08, CDHW09, DH12, KB06, HKM+12]. **Ordinal** [ABD+08, GRR06, HMS12]. **Orientation** [IIK+23]. **orientations** [FLM+12, FSP08]. **orienteering** [CKP12]. **Orthogonal** [BRW16, Cha13, CW16, CW21, BLPS13]. **Other** [BCK+20]. **out-trees** [BRFF+12]. **Outlier** [KKK18]. **Outliers** [CN19, FKRS19, HPST19]. **output** [ST08]. **output-density** [ST08]. **Overhead** [ACHM22]. **Overlapping** [Wal23].

P2P [NW07]. **Packet** [KMPS16]. **packets** [JLSS12]. **Packing** [AARA23, ADKS25, BSSX20, CZ18, CS07, EPR13, FLL+19, BNLT07, CMS07, KNS+07, HCT+11]. **Packings** [BKK17, GGI+21, LPS24]. **Paging** [JPS22]. **pair** [AKS08]. **Pairs** [KT18, Cha12, DI06, MTZ10, RS11a]. **Pairwise** [Cab19, GW07]. **pants** [Epp09b]. **Parallel** [CDP21, DH12, FN20, HH17, Har18, Har21, CKS09, GKK+09, Han07].

Parameter [BBT12, CM15, CCHM15, DHM14b, FGK+24b, GST23, HK25, MV15, DFHT05, RSS06, CGK+11]. **Parameterized** [AMW20, BFPP18, BCK+20, BM20, CFM21, CHLT14, CNP+22, FLS+18, GHK+24, GWZ21, KW16a, LPS24, LNR+14, LRS18, LPS+20, MP22, PSZ24, RS17, GJL12, HLS07, SST22]. **Parametric** [Epp18, FBV09]. **parentheses** [LY08]. **Parity** [CLL14]. **Partial** [GMW20, JS07, KMNS17, MSS11]. **Partially** [ADF+15, HKN17]. **Partition** [LR15, Ter25, CLLJ08, CKS05, SS09, ZO08]. **Partitioning** [AAGH25, AD16, GHM+24, SYZ20]. **Partitions** [Fil24, CAY10]. **Party** [KR16]. **pass** [Fot11]. **passes** [DFR09]. **Path** [ABHS22, AGLW18, AZ08, BCHR20, EK20, EP16, FGK+24b, GWZ21, HMZ16, SP24, AT07, DI06, HSB07, MZ12]. **Path-Reporting** [EP16]. **Paths** [AFS18, BFF+22, CW15, CR18, GW20, IIK+25, KK13, KK16, LBSZ21, WY13, Cha12, CK07, DS11, Elk05, EPR10, GW07, HS06, HMS07, KMW10, KK06, MTZ10, RS11a, RZ12, Wil10]. **Pathwidth** [GJNW23]. **Pattern** [Gaw13, GGN06, Jez15, ALLS07, CS11]. **Patterns** [BGS23]. **PCSPs** [NZ24]. **peeling** [ALLT11]. **peg** [BS06b]. **Perfect** [AKLR20, BCP24, BG21, GKK10, HHM+18, ND25, AG10, BCKV06]. **perform** [BCM11]. **Performance** [HJ15]. **periodic** [BCMSM12]. **Periodicity** [EMS10]. **Periods** [MPQS20]. **Permanent** [DHM+14a, And09]. **Permanently** [BFKR21, BFKR25]. **Permutation** [CMM25, Wim16]. **Permutation-Invariant** [Wim16]. **Permutations** [BBHT17, EPR13, RW10a]. **permuterm** [FV10]. **Persistent** [Cha13]. **Perspective** [Fil25]. **Perturbation** [BHW20]. **Phase** [BBM19, CFH07, FP10]. **Phase-based** [BBM19]. **Philippe** [SSS+11]. **Phylogenies** [HHM+18]. **piece** [EP11]. **Piecewise** [MA16]. **Piecewise-Linear** [MA16]. **Piles** [DEK21]. **pipelined** [CDHW09, DH12]. **Pivot** [ADK16, AD16, WNN15]. **Placement** [EFM+16, GKK+09]. **Planar** [AAGH25, ASS19, AKLR20, BSWN15, BK16, Cab19, Cab22, CMT22, CEV21, DHK14, EHL+18, Fil25, GST23, IIK+25, KK13, KKR19, KBNvL20, MP22, PPSV18, Wan22, WY16, AMM07, BLPS13, BKM09a, BKM09b, CDI+12, DS11, DFHT05, Dji10, DKT11, EPR10, GK09, GT08, KMW10, KK06, OGGW10, PS10]. **Planarity** [ADF+15, ADD+18, BFR23, KR19]. **Plane** [CW15, GMS19, CS08, Saw06]. **Planes** [DT16]. **Planted** [HKP+18]. **player** [GMT11]. **player-specific** [GMT11]. **Plurality** [ADGH21, DGM18, AR08a, AR08b, AR09]. **Point** [AK18, BHPR19, CRZ20, Cha13, CL22, HPJ21, KPR16, AMM07, BCH+12, CFH07, CDI+12]. **Point-Width** [CRZ20]. **Points** [AN16, ADGH21, DGM18, FPS22, ASW08, AHPSW10, CAY10]. **policies** [Jan05]. **polygon** [CAY10, CW10]. **Polygonal** [AFS18, BDR23]. **Polygons** [AW19, CDD+15, MW24]. **Polylogarithmic** [ALM+20, GHT18, Har18]. **Polymer** [BCP24]. **Polynomial** [AARA23, ALM+23, ALL+25, BCD12, BKM15, CDP19, DFM23, DHM+14a, FLS+18, GS17, GKPP22, KW14, KRS19, Laf23, LR15, LL25, LBSZ21,

PRS12, PS16, SS18, AK12b, LDX09, SS09]. **Polynomial-Space** [GS17]. **Polynomial-Time** [BKM15, DFM23, FLS+18, BCD12, GKPP22, LDX09]. **polynomially** [Kau07]. **Polynomials** [Har19, MS17]. **Polytopes** [AAdFM22]. **Popular** [Kav24, KMSY25, Mes14]. **Poset** [Gab16]. **Positive** [BPR+17, DHS16]. **Potential** [FV19]. **Power** [BCP13, CDD+15, CSTW12, Hal12, ISG07]. **power-law** [CSTW12]. **Powers** [Laf23, BLS08]. **PQ** [BR16]. **PQ-Ordering** [BR16]. **Practical** [SCRS17]. **practically** [ADHY08]. **Practice** [CRTZ24]. **precedence** [DH12, JZ06]. **precise** [DK12]. **Predecessor** [Cha13, GMW20]. **Predictions** [ACE+23, JPS22]. **Preemption** [BFS19]. **Prefer** [SSA25]. **Prefer-Opposite** [SSA25]. **Prefer-Same** [SSA25]. **Preferential** [ELMR21]. **prefix** [RRS07]. **Preimage** [MPQS20]. **Preprocessing** [BSWN15]. **Prescribed** [BH19]. **Preservers** [BW21, CC25]. **Preserving** [HL13, IN07]. **Price** [BGH19, GN14, DHMZ12]. **Price-based** [GN14]. **priced** [CFK+07]. **Pricing** [AR05, BCC+10]. **Primal** [DH18, VB08, BCM11]. **Primal-dual** [VB08, BCM11]. **Principle** [KLPP23]. **Principles** [ARS+14]. **priority** [AHRT05, ADHY08, EJK08, MTTZ06]. **Privacy** [BNS19, FJS14, JMR22]. **Private** [SCRS17]. **Prize** [CJJ20, Fuk17, HKKN12]. **Prize-Collecting** [Fuk17, HKKN12]. **Probability** [Bła20]. **Probably** [LMS18]. **probe** [GGM10]. **Probing** [PT16, Jan05, Vio05]. **Problem** [AKS21, BEJK19, BK16, CGK20, CCW18, CJJ20, CZ24, CMVZ16, CKL21a, DT16, EK20, Epp18, ER17, FGK+24c, Fuk17, HW19, HVV19, KK13, KK16, KR18, Kra14, KS16, MMS14, Mas21, MW24, NRS18, SW20a, Soc16, TY18, AMR09, AR08a, BK08, BH12, BHZ13, BPGN09, BG11, BHKK12, BKMSS11, CF05, Cha10b, CEGS11, CCHP12, CLLJ08, CKS05, CM07, DS08, DV10, EV10, EKS05, FHR07, FN10, GS09, GKLT09, HIMY07, HL06a, IMY10, Jac11, JR05, Kar09, KKW12, KMMP07, KMM11, LM11, MV08, NS10, RS09, SZ10]. **Problems** [AZBG+22, AGW23, ALM+20, AMW20, BG20, BFGT16, BR14, BDW19, BCC21, BR16, BFR23, BCK+20, BM20, BSSX20, BF18, CFRY22, CN19, Cha20, CLL14, CV20, CFM21, CDL+16, CGH17, CMWW19, CNP+22, DI25, FLN14, FLL+19, FGL+20, FLK+20, GMP23b, GKM16, GM12, GLLZ21, GWZ21, HPST19, Hir19, HL13, JW13, Khu05, Khu06, Khu07, KW16a, MP22, Mas21, PPSV18, Swa16, Wah22, AAA+06, AKR12, BST08, BRFF+12, BHLR10, CMM09, CEGS11, CKP12, CGNS08, CDHW09, CNP+11, DFR09, EKS05, FS11, GJL12, HKKN12, HLS09, HSB07, Kar08, KNS+07, Nut09, Nut12, SS09, ST08, YLW08]. **processes** [EP12, GLPP08, MTZ10]. **Processing** [GPSS15, JMR19]. **processors** [KS08]. **Product** [CDJS17, FLPS17]. **Products** [SWYZ21]. **Programming** [CHA18, CKS19, EW20, LNR+14, MTK+19, RST14]. **programs** [CMS07, FP10]. **projective** [AGvS13]. **Promise** [VZ21]. **propagation** [IP11]. **Properties** [BMR22, CDJS17, GIKW19, KRS19, RT14, ABD+08, MR09, PR12]. **Property** [CDJS17]. **protocols** [GN14, GR10]. **Protrusion** [KLP+16a]. **Provably** [Kol08]. **provider** [BCKV06]. **Proximity** [EW20]. **pseudo** [II09].

pseudo-cliques [II09]. **Pseudopolynomial** [KX19]. **Pseudoprimes** [Sha16]. **PTAS** [AFHS20, CJ18, CJJ20, MZ23, MWsZ23]. **Puzzle** [NRS18].

QoS [CJST07]. **quadrangle** [BGLZ09]. **quadrangle-inequality** [BGLZ09]. **Quadratic** [GS18, MMS14, HLS09]. **quadtrees** [CFH07]. **Quality** [AFS18, GHM+24]. **Quantification** [FJS14]. **Quantum** [AMR09, JN24, MRR06]. **Quasi** [LR15, PS16]. **Quasi-Polynomial** [LR15, PS16]. **Quasiconvex** [Epp06]. **Quasipolynomial** [Wah22]. **Quasirandom** [DFS14]. **Queries** [FF23, FGRZ25, GMW20, GIN+17, GSW24, HMZ16, KMNS17, Pre21, BCH+12, GRR06]. **Query** [BFKR25, FLM+12]. **Querying** [CFK+07, SWYZ21]. **Quest** [BG21]. **Queue** [AEMV24]. **Queueing** [BJKK18]. **queues** [AHRT05, EJK08, MTTZ06]. **Queuing** [CKR12]. **Quickly** [CW21, Oum08, Ruž09]. **quickselects** [MPV10]. **Quicksort** [ADK16, AD16, WNN15].

R [ADHY08]. **R-tree** [ADHY08]. **Race** [AA14]. **Radio** [MPY22, EK07]. **RAM** [Cha13]. **Ramsey** [ACE+20, Kra14]. **Ramsey-Type** [Kra14]. **Random** [BBHT17, DGG+20, ELMR21, GPSS15, HSS22, HTWZ19, BB09, BLW09, CFH07, FSP08, MZ12, PS10, PR08]. **Randomized** [AEP18, CV20, CKL+21b, FN20, KSS09, KKM11, KW14, PR08, BKS12]. **Range** [ACY12, CW16, GIN+17, WY18, BCEG07]. **Rank** [BFV22, HST15, IKM+06, BF09, FGL+20, Oum08]. **Rank-Balanced** [HST15]. **rank-convolutions** [BF09]. **Rank-maximal** [IKM+06]. **rank-width** [Oum08]. **Rank/Select** [BFV22]. **Ranked** [SSTV23]. **ranking** [CFR10]. **Rapid** [FGYZ22]. **Rate** [RS11b]. **Ratio** [LMMW16, BCM11, BF07, BM08, Kar09]. **Ray** [Tao14, GK09]. **Razborov** [CW21]. **Reachability** [CC25, Lac13]. **read** [Wil10]. **Real** [BG14, BNGK+09, BCMSM12, VWY10]. **Real-Time** [BG14, BNGK+09, BCMSM12]. **Realistic** [GSW24]. **Reallocation** [BFCF+17]. **really** [EP11]. **Reasoning** [AKL10]. **Rebalancing** [STK16]. **receiver** [EK06]. **recognition** [BLS08]. **Recognizing** [AFT19, Laf23]. **recolorings** [MSS11]. **Recompression** [Jez15]. **Reconfiguration** [LM19]. **Reconstruction** [CJL17, KMZ18]. **Recovery** [GLPS17]. **rectangle** [ELR+08]. **rectangles** [CKS09]. **Rectangular** [BGPV08]. **Rectilinear** [FLK+20, GK09]. **Recurrence** [HJT17, Epp06]. **recurrent** [Kau07]. **recursive** [OOB24]. **Reducing** [CJ18]. **Reduction** [MMS14, MOR13, NS09]. **redundancy** [BK08]. **Reflex** [CDD+15]. **register** [DP06]. **regret** [YLW08]. **Regular** [FGLS19, BFG09, GKK10]. **regulation** [HS09]. **rejections** [AAG09]. **Related** [BFGT16, BDW19, CFRY22, GWZ21, CKP12]. **relations** [BHMS11]. **Relationship** [KR19]. **relative** [BF07, BM08]. **Relatives** [Nav25]. **Relaxation** [Li17, VZ21, ABD+08, GGG10]. **relaxed** [DM09]. **Relay** [EFM+16]. **Reliable** [HPMO23]. **Rendezvous** [FP13, TSZ14, KKM11]. **rent** [BKLP07]. **rent-or-buy** [BKLP07]. **Reordering** [AER15]. **Repairmen** [HKKK16, FHR07]. **Repeats** [CCKN19].

repetitions [AAG09]. **Repetitive** [Nav25]. **Replacement** [GW20, RZ12, SP24, WY13, EPR10]. **Reporting** [EP16]. **Reports** [DP14]. **Representation** [BS18]. **Representations** [Gab16, FMMN07]. **Representative** [FLPS17]. **Representing** [BN15]. **Required** [PT16]. **Rerouting** [IIK+25]. **Resampling** [Har21]. **reservation** [BM08]. **residents** [KMMP07]. **Resilience** [BHW20]. **Resilient** [FGI09]. **Resistance** [CLS+22]. **Resolution** [GM12, ND25]. **Resource** [JMR19, CCKR11, GN14]. **respect** [CGK+11]. **response** [FFM12, PUW08]. **Restore** [CMR18, FTK20]. **Restricted** [AKS17, MPQS20, Neu22, PS16, BNLT07]. **restriction** [GGG10]. **restrictions** [AMS06]. **Results** [BG21, EW20, GRSW16, CPR+11, GHKS06, GHKS13, HIMY07, KNS+07]. **Retractions** [FGZ21]. **Retrieval** [SSTV23]. **Retroactive** [DIL07]. **Reversal** [CBFWW15]. **Revisited** [ABH+18, CK07, HPR14, NS09]. **Ride** [GNR15, GHNR10a, GHNR10b]. **right** [DMM+12]. **Robust** [ARS+14, GMP23a, GNR16, HS06]. **roommates** [CF05]. **Rooted** [CLNV14, KL06, Saw06]. **roots** [Lau06]. **Rounding** [AZBG+22]. **Roundtrip** [RTZ08]. **Route** [CMVZ16]. **Routing** [AZ07, ADPP07, CGMZ16, CBFWW15, GMT11, JS23, KRX16, MZ23, AGM+08, CSTW12, HKRL07, KP08, RTZ08]. **Rule** [HJ15]. **Rumor** [DFS14].

s [BRFF+12, CRV11]. **S-T** [CRV11]. **Safe** [CRTZ24]. **Salesman** [AKS21, DT16, BHKK12]. **Same** [SSA25]. **samples** [EMS10]. **Sampling** [BT24, BGGS24, BCP24, BCSV25, Bre23, CHGG+17, Coh18, BCEG07, FSP08, GKK10, MPV10, PT11]. **Santa** [AFS12]. **SAT** [CDL+16]. **Satisfaction** [AZBG+22, GRS17, CMM09, SS09]. **savings** [ISG07]. **Scalable** [BKN14, GHM+24, IM12]. **Scalably** [EP12]. **Scale** [BFF+22, KRX16]. **Scale-Free** [BFF+22, KRX16]. **Scaling** [BCP13, DPS18, AA14]. **Scattering** [Fil24]. **schedule** [Wil10]. **Scheduling** [AFH+16, BKN14, HJ15, JMR19, KMPS16, LMMW16, SZ20, AZ07, BCD12, BNLT07, BNGK+09, BCMSM12, CCL+09, CEGK11, CKK10b, CRR09, DJP+12, EP12, EV06a, EK06, GHKS06, GHKS08, GP08, Hal12, IM12, JZ06, JLSS12, GHKS13]. **Scheme** [BKM15, BKM09a, BKM09b, CSTW12, LDX09, SS08a]. **Schemes** [BKK+19, FGL+20, FKRS19, HW19, JMR19, JS23, KRX16, IMM08, Kar08, KP08, Kor10, NHK08]. **SDD** [KLP16b]. **Search** [BCI+23, Cha13, CGMY22, ER17, GMW20, PS16, STK16, JS07]. **Searching** [AAHP+16, BFKR25, ACY12, FG08]. **seat** [BM08]. **secretary** [BHZ13]. **secrets** [AGKS07]. **Secure** [FIM+06, PR12]. **Seeds** [KKR+20]. **Segmentation** [ADV+16]. **Select** [BFV22]. **Selection** [AFHN16, AFK+15, CMR18, EHR16, GIN+17, Cha10a, Han07]. **Self** [Elm17, JCCW22]. **Self-Adjusting** [Elm17]. **Self-Improving** [JCCW22]. **Selfish** [BHS14, ADPP07]. **Semi** [ER16, FLN14, KR16, PS19]. **Semi-Matching** [FLN14]. **Semi-matchings** [KR16]. **Semi-Streaming** [ER16, PS19]. **Semicontinuous** [AFK+15]. **Semidefinite** [DHS16]. **sender** [EK06]. **Sensitive** [CL22, Pag18]. **Sensitivity** [BBP23, GW20, WY13].

sensor [BMSV+09, FCFM09]. **separability** [AAK06]. **Separate** [GS17]. **separating** [Cab10]. **Separations** [CKP+19, JMR22]. **separator** [RW09]. **Separators** [LT24, LPS+20, MOR13]. **sequence** [CFLM07]. **Sequences** [BN15, SSA25, TSZ14, FMMN07, FKW11, GGN06, Kau07, MN08]. **Sequential** [KR18]. **Server** [BEJK19, BEKN23, CKL21a, CV20, FN10]. **Service** [AGGP21, RKH20, BCKV06, MV08]. **sessions** [And09]. **Set** [ACGP16, ACS+22, ALM+19, ASS19, BHPR+20, CEGS11, CCHM15, DHK16, ER16, FLST18, FLL+19, GKPP22, HPJ21, Har19, LRS18, LM19, LMM+21, AAG09, BCN12, Cha10b, CCHP12, ELR+08, GKLT09, PRS12, RW10a, Tho10a, Tho10b]. **set-up** [ELR+08]. **SETH** [ABHS22, Bon22]. **SETH-based** [ABHS22]. **SETH-hard** [Bon22]. **Sets** [BHPR19, BDH+20, GS17, GNR16, JN24, LN22, LPS+20, AMS06, BLW09, Epp09a, FGPS08, RSS06]. **settings** [CCHP12]. **sex** [IMY10]. **sex-equal** [IMY10]. **Share** [AMNS17]. **shared** [AKM08, AC10]. **shared-memory** [AKM08, AC10]. **Shares** [CF20]. **Sharing** [BKLP07, IMM08]. **Shaving** [CZ24]. **Shivers** [Jug24]. **shooting** [GK09]. **shop** [GHKS06, GHKS13]. **short** [KSS09]. **Shortcut** [CD24]. **Shortcuts** [AFK+15]. **Shortest** [BCHR20, BFF+22, CW15, CR18, CSS21, DS11, FGK+24a, KMW10, Cab10, Cha12, DI06, Elk05, HSB07, HMS07, KK06, MTZ10, MZ12, RS11a, RZ12]. **shredders** [Heg06]. **SIAM** [BGN+18, DMT24, HK22, KADK22]. **side** [EV06b]. **Sided** [Kav24]. **Sigma** [SW20a]. **signatures** [Ruž09]. **Silent** [DP14]. **Simon** [AMR09]. **Simple** [CDD+15, CJL17, CGMY22, FGK+16, GWZ21, NS16, AMM07, CW10, HMS07, RZ12]. **Simpler** [CD17, LBSZ21, MM09, Rod08]. **Simplex** [DS19]. **Simplicial** [BS18]. **Simplified** [KN16]. **Simultaneous** [AGG+09, BR16]. **Single** [BCHR20, CNP+22, HJ15, KLP+16a]. **Single-Exponential** [KLP+16a]. **Single-Machine** [HJ15]. **Single-Source** [BCHR20]. **SINR** [AK18, HT21, KLPP23]. **Size** [EP16, EHL+18, HS18, LN22, NRS18, RS11b]. **Sizes** [MPQS20]. **sizing** [ELR+08]. **Skeletons** [CMV16]. **Sketches** [CD17]. **Skew** [RS17]. **Skew-Symmetric** [RS17]. **Skip** [AS07]. **Slack** [AEP18]. **sleep** [AA14]. **Small** [BCKM20, BFG+16, Bre23, CGH17, DGG+20, GJNW23, LPS+20, MTK+19, Neu24, And09, MOR13, PT11]. **Smaller** [ACHKP21]. **Smith** [HJ15]. **Smolensky** [CW21]. **Smoothed** [BCC21, DMM+12, ERV16, ER17, AK12a]. **Social** [GKK23]. **SODA** [BGN+18, DMT24, HK22, KADK22, Epp07, GBFC07, Gab09, HT10, MWY19, Mat10]. **SODA'11** [CRR13]. **SODA'12** [RRSW16]. **SODA'18** [LPW20]. **Solutions** [HJT17, BST08]. **solvable** [ASS08]. **Solving** [CNP+22, GM14, SW20a, DS08]. **Some** [Cha20, CDP19, GMS19, GRSW16, AR09, CGNS08, FP10, GKLT09, HSB07]. **Sort** [CFRY22, Jug24, NZC11]. **Sorting** [AFHN16, CMR18, DEK21, FTK20, Jug24, FZ07, FG08, GS09]. **Source** [BCHR20, AGG+09]. **Space** [BCKM20, BKMV20, BFG+16, CDP21, EHR16, GS17, LBSZ21, WY18, BG11, Cha10a, DFR09, EMS10, GLS10, KMW10, PT11].

Space-Constrained [EHR16]. **Space-optimal** [BKMV20]. **Spaces** [HPMO23, LT24]. **Spanner** [BFH21, DKR16]. **Spanners** [BT25, BW21, CWN18, CDKL20, ES16, EN19, HPMO23, LT24, Sol13, BKMP10, BKS12, Elk11, GLNS08, Pet09, RTZ08]. **Spanning** [ACE+20, BD11, FGLS19, GT16a, GT16b, HKN17, PRS20, CS08, DV10, JR05, PR08, ZO08]. **Sparse** [BFG+16, BHPR19, Bon22, CRSS22, CI17, DHS16, EN19, Fil24, FTK20, GIKW19, GLPS17, HT21, MTK+19, MWsZ23, OSSW20, PP16, Pre21, RT14, Sol13, BSSX20, Cla10, Elk11, Epp09a, MR09, YZ05]. **Sparsest** [CKM+24, KW16b, CGR08]. **Sparsification** [CDP21, KLP16b, PZ24, PPSV18]. **Spatial** [ADGH21]. **Special** [BGN+18, CHL+20, DMT24, HK22, KADK22, LPW20, MWY19, RRSW16, Epp07, GBFC07, Gab09, HT10, Mat10, CRR13]. **specific** [GMT11]. **Spectral** [BGGS24, FGYZ22, KLP16b]. **Speed** [BCP13, JN24, AA14, FFM12]. **Speed-Ups** [JN24]. **Speeding** [GKM16]. **speedup** [BGLZ09, EP12]. **Speedups** [Cha20]. **Spider** [Fuk17]. **split** [Iba08]. **splittable** [EV06a, GMT11]. **Splitting** [CCG+24]. **Spreading** [DFS14]. **Square** [FGZ21]. **Square-free** [FGZ21]. **Squarepants** [Epp09b]. **Squares** [AARA23, HKP+18, Kol08]. **SRPT** [TM08]. **Stabbing** [Tao14, ELR+08]. **Stability** [CCDL16]. **stable** [CF05, HIMY07, IMY10, KMMP07]. **Stackelberg** [Swa12]. **Stars** [HMVW19]. **state** [AA14]. **Static** [FF23, NS14, ALLS07]. **station** [KMM11]. **stationary** [CRV11]. **Statistics** [Coh18]. **steepest** [AKR12]. **Steiner** [BKM09a, BKM09b, BKM15, CJJ20, CEGS11, CS07, CLNV14, CFM21, CDKL20, CJKV24, DHK14, DKN17, EKS05, FLK+20, GMP23a, HKKN12, KBNvL20, LL25, PPSV18]. **Steinitz** [EW20]. **Sticky** [AZBG+22]. **Stochastic** [ADKS25, BJKK18, DHK16, KR24]. **Stock** [NRS18]. **Storage** [BFCF+17]. **Straight** [CMV16]. **strategies** [MPV10, Swa12]. **Stream** [Coh18, CCM10]. **Streaming** [AN16, Bła20, BG14, CJKV24, Elk11, ER16, EHL+18, FF23, JW23, JW13, KR16, DFR09, FMS+10, PS19]. **Streams** [BDW19, CCMT14, BCEG07, HS09]. **Stretch** [EP16, AGM+08]. **Strict** [BLT25]. **strike** [LY08]. **String** [BCKM20, BGS23, BG14, EMTG23, FV16, JN24, BFG09, CKS05, CFLM07, CM07]. **String-Matching** [BG14]. **Strings** [Gaw13, BHMS11]. **Strong** [BG21, CC25, GHH22, ND25, AC10, HKM+12]. **Strong-Connectivity** [CC25]. **Strongly** [BGMW20, KMMP07, Lac13, TSZ14]. **Structure** [BCSV20, BLS08, BNS19, Gab17, MRYY24, CFLM07]. **Structures** [BFV22, FF23, GIKW19, GIN+17, HMZ16, PP16, PP18, RT22, AKS08, DIL07, GKS+11]. **Study** [BBB20]. **Subconstant** [JW13]. **Subcubic** [AGW23, BGMW20]. **subdivisions** [CDI+12, GK09]. **Subexponential** [BFPP18, FLK+20]. **Subgraph** [HVV19, ST08]. **Subgraphs** [BKK17, BCP24, Bre23, Neu24, And10, HS06, PS10, VWY10]. **Subject** [MS17]. **Sublinear** [ELMR21, GMV09, HKN17, LT24, EMS10, RS11a]. **Sublinear-Time** [HKN17]. **Submatrices** [HL13]. **Submatrix**

[GMW20, KMNS17]. **Submodular** [BHZ13, BJLY17, BF18, BFS19, CHJ+18, DHK16, DFL+25, Fel17, FGK+24a, GKK23, INV16, WZ16]. **Subquadratic** [Cab19, FLL+19, KKK18]. **Subsequence** [BCAD23]. **Subset** [ABHS22, CCHM15, KX19, LRS18]. **Subspace** [WW22]. **Substring** [JN24, Pre21]. **Subtree** [ABH+18, Epp09b]. **Succinct** [BHMS11, BCH+12, GRR06, HMS12, NS14, RRS07]. **Suffix** [FTK20, OOB24, FGGV06, RNO11]. **Sum** [ABHS22, BT24, BJLY17, Cab19, HKS11, HKP+18, KX19, Epp09b]. **Sums** [DHS16, RRS07, Vig14]. **supporting** [BCH+12]. **Surface** [CJL17]. **Surfaces** [CdM22, RST14]. **Survivable** [BK16]. **Survivable-Network** [BK16]. **Swap** [BPL18]. **Swap-Insert** [BPL18]. **switches** [AKM08, AR06, CJST07]. **Symmetric** [Fel17, NZ24, RS17, FMS+10]. **Symmetry** [GSV20]. **Symposium** [BGN+18, DMT24, HK22, KADK22]. **Synchronized** [BFR23]. **Synchronizing** [JN24]. **Systems** [BCP24, BS10].

T [CRV11]. **Tabulating** [Sha16]. **Tandem** [CCKN19]. **Tangents** [AW19]. **tardiness** [KKW12]. **Tardos** [Har16, HS17]. **Tarski** [FPS22]. **tasks** [EV06a, HL06b, JZ06]. **Tau** [SW20a]. **Taxes** [CKK10a]. **Techniques** [RT22, GGG10]. **Telling** [CDD+15]. **Terminals** [KBNvL20]. **Terrain** [AFK+18, AAY10]. **Terrains** [DHPR16]. **Test** [GNSW20]. **Testers** [BMR22, CDJS17]. **Testing** [ADF+15, AK12b, BCSV25, CDJS17, CS08, ELR20, Epp09c, LCS+19, Neu24, RT14, EMS10, FLM+12]. **Text** [BN14, BFG+16, Nav25, Pre21, ALLS07, CHLS07, FMMN07, MN08]. **texts** [BFG09]. **Their** [ACE+20, Fil24, KMNS17, KMSY25, AG10]. **Theorem** [HHM+18, LS24]. **Theoretical** [BBB20]. **Theory** [CRTZ24, HJT17]. **thick** [KT08]. **Thin** [BKK17, KT08]. **Three** [DKT11]. **Three-coloring** [DKT11]. **Thresholds** [Wal23]. **Throughput** [BNGK+09, EMS23, CCL+09, GR10]. **Tight** [BLL+24, BODD+20, BHD+21, BD11, CHGG+17, CGH17, CV07, DJP+12, FN20, FMR24, KPR16, Soc16, WW22, WY18, CDEM10, KBNvL20, MSS11]. **Tightening** [CdM22]. **Tiling** [AARA23]. **Time** [AARA23, AW19, ALL+25, ATG+14, BKMV20, BGK+22, BKK17, Bon22, BSWN15, BKM15, BG14, BGMW20, BCAD23, CRTZ24, CDJ23, CBFWW15, CCKN19, CEK+21, CRR09, CNP+22, DFM23, DHM+14a, FLS+18, Gab25, GLPS17, GMP17, GS18, GHT18, HSS22, HKN17, KMTS23, iKMNZ25, KKR+20, KX19, Laf23, LR15, LN22, LRS18, PRS20, RS17, RKH20, SS18, SHHA16, WY16, AF07, AHRT05, AZ07, AK12b, BD07, BCD12, BNGK+09, BS06a, BCKM20, BPGN09, BKMSS11, BCMSM12, BLS08, Cha10a, Cha12, DKT11, EPR10, EDKM07, GKLT09, GN14, GLP06, GKPP22, GT08, HP22, HL06b, IM12, JS07, KMMP07, KMW10, LDX09, MOR13, NZC11, RW09, TM08, VH05]. **Time-** [BKMV20, PRS20]. **Time-dependent** [CRR09]. **Time-Energy** [CDJ23]. **time-space** [Cha10a]. **time-varying** [AZ07]. **Times** [BH19, GPSS15, JMR19]. **Tiny** [Sol13]. **Tolerant** [BCHR20, BMR22, HHL+16, PP16, PP18, SS08b]. **tolls** [Swa12]. **Tool**

[KLPP23]. **Tools** [AK18]. **Top** [GIN+17, RT22, AHTL05]. **Top-** [GIN+17, RT22]. **Topological** [CFRY22, FLST18, GST23, Neu24, AFM08, KB06, HKM+12]. **Tossing** [BBHT17]. **total** [BGLZ09, GLP06, KKW12]. **Tournaments** [LMM+21, CFR10]. **Tours** [CKS19, GGG10]. **Tower** [DS08, KR24, BS06b]. **Tower-On** [KR24]. **Tracking** [Bła20, YZ12]. **Tractability** [DHM14b, FGK+24b, GRS17, CGK+11]. **Tractable** [CM15, CCHM15, GST23, HIMŽ19, RSS06]. **Tradeoff** [CCDL16, RS09]. **Tradeoffs** [CDJ23, GMP17]. **Trading** [DFR09, BCFN07]. **Traffic** [DP14, ADPP07]. **train** [Wil10]. **Trajectories** [ADV+16]. **Transform** [CI17, AL13, NZC11]. **Transforms** [BHK+16, MRR06, JW13]. **transitive** [Rod08]. **Translation** [BKN21, AHPSW10]. **transpositions** [FZ07]. **Transversal** [ALL+25, KW14]. **Transversals** [GHH22]. **Traveling** [AKS21, DT16, BHKK12, FHR07]. **Treasure** [BDLP23, TSZ14]. **Tree** [Adj19, AGP+11, BGMW20, CJJ20, CKS19, DHK14, FV16, FLK+20, GMP23a, GT16a, GT16b, KBNvL20, LL25, ADHY08, BG11, BKM09a, BKM09b, CMS07, DMRW09, Epp09b, Fuj12, GNSW20, HMS12, JR05, PR08, BD11]. **Trees** [ACE+20, ABZ19, AFN+18, BEJK19, BBT12, BFKR21, BFKR25, BCI+23, CMM25, CZ24, CGMY22, FP13, GT16a, GT16b, GMP17, GMS19, HST15, HKN17, MZ23, NS14, PRS20, STK16, TLT21, ABD+08, AHTL05, BHMS11, BRFF+12, CPR+11, CS07, CS08, DP06, DM09, FSP08, GRR06, GKS+11, HS06, HMS12, KL06, MSS11, RRS07, RNO11, Saw06, ZO08]. **Treewidth** [Cab22, CNP+22, FMR24, FLS+18, GJNW23, JS23, LMS18, BFK+12, CKM+24, MOR13]. **triangle** [Blä08, DKT11]. **triangle-free** [DKT11]. **triangulation** [CDI+12]. **triangulations** [OGGW10]. **tries** [JS07]. **trim** [Fuj12]. **True** [BLL+24]. **Truncation** [LMPS18]. **Truthful** [AGG10]. **TSP** [AFHS20, BKMV20, BHD+21, Blä08, CJ18, CJJ20, CKS19, ERV16, GMP23a, Man12, dBBJW21]. **Tutte** [DHM+14a]. **Tverberg** [ASW08]. **Two** [AW19, Adj19, AAGH25, BK16, CZ24, CGMY22, CY25, CHLT14, FP10, HS18, HW19, KK16, KR16, MW24, WY18, dBBJW21, DS11, GP08]. **Two-Dimensional** [CHLT14, HW19, MW24, WY18, CZ24]. **Two-Edge** [BK16]. **two-face** [DS11]. **Two-Handed** [AAGH25]. **Two-Party** [KR16]. **Two-phase** [FP10]. **Two-Way** [CY25, CGMY22]. **Type** [HPST19, Kra14, KW16b, CGR08].

UET [HL06b]. **UGC** [GRSW16]. **ultrametrics** [ABD+08]. **un-** [GMT11]. **Uncapacitated** [KS16]. **Uncertain** [BFL+23, ACY12, MNS12]. **Uncertainty** [AAHP+16, GM12, GNR16]. **uncrossable** [Nut12]. **Underlying** [BFF+22]. **Undirected** [Bon22, KKPW24, Cha12, CEGS11, MZ12]. **Unequal** [CF20]. **ungapped** [FBV09]. **Unified** [CJJ20]. **Uniform** [BEKN23, CGK20, DKN17, GJLS17, Li17, Ruž08, GKK10, GLP06]. **Uniformly** [OSSW20]. **Union** [ACHM22, ATG+14, AAY10]. **Union-Find**

[ATG+14]. **unique** [BLW09]. **Unit** [ACHM22, BLL+24, PSZ24, EV10]. **Unit-Disk** [BLL+24]. **Universal** [GMP23b, TSZ14, RW10a]. **Unknown** [BGH19]. **Unless** [BGMW20]. **Unrelated** [EMS23, CKK10b]. **Unrestricted** [AL13]. **Unsplittable** [AGLW18, ADPP07, AGG10, BFKS14, BH12]. **Untrusted** [ACE+23]. **Unweighted** [Bon22, BDLP23, BS06a, Cha12, RZ12]. **Update** [BGK+22, GHT18, AGvS13]. **Updates** [BJLY17]. **Updating** [DM09]. **Upper** [BN15, CDKL20, HCT+11, MSS11]. **Ups** [JN24]. **Useful** [KLPP23]. **Using** [CKS19, EW20, GKM16, LNR+14, MP22, KS08, PR08]. **utilities** [GN14]. **utilizes** [TM08].

Validity [BF24]. **Valuation** [CD17]. **Valuations** [GKK23]. **value** [GGM10]. **valued** [MWsZ23]. **variable** [BB08]. **variable-length** [BB08]. **Variant** [HL13]. **Variants** [BDH+20, dBBJW21, JR05]. **Variations** [KR19]. **varying** [AZ07]. **VCSPs** [HIMŽ19, VZ21]. **Vector** [SWYZ21]. **Vectors** [CW21]. **Vegas** [Wei22]. **Vehicle** [GNR15, JS23, MZ23]. **Verification** [KMZ18]. **version** [BNLT07]. **Vertex** [ALM+19, ALM+23, CHGG+17, CCHM15, HTWZ19, LN22, LRS18, LMM+21, Wan22, DS11, GKP08, HL06a, Kar09, Kor10, RSS06, Tho10a, Tho10b, VB08, Vis08]. **vertex-disjoint** [DS11]. **Vertex-Weighted** [HTWZ19]. **vertical** [GK09]. **Vertices** [CMT22]. **Very** [EN19]. **Via** [KLP+16a, APF+10, AGKS07, ANFS17, AK18, AFK+15, AKR12, BT24, BGGS24, BKK17, BHPR19, CMM25, CKM+24, CCW18, CY25, EPR13, FGPS08, FPZ23, GGI+21, GKK10, GGG10, GKP08, GM14, HH17, HKS11, HIMŽ19, HHM+18, KW14, MOR13, Nut12, PT11, RS17, WY13]. **video** [EK06]. **video-on-demand** [EK06]. **visits** [BKMV20]. **Voronoi** [DHPR16, MP22]. **Voting** [ADGH21]. **vs** [Bon22, GMP17, NZ24, RS11b].

wait [EP05]. **Walks** [CMA+19, DGG+20, HSS22, SS18]. **Walsh** [CI17]. **Warping** [GS18]. **Waste** [SHHA16]. **Way** [CY25, CGMY22]. **Weak** [AFT19, FCFM09]. **weakly** [HSS07]. **Weight** [GKPP22, PS19, KM12]. **Weighted** [Adj19, ALM+20, BT24, CCW18, CV20, DHK14, DPS18, GHH22, HTWZ19, JPS22, Mes14, AKL10, BD07, CEV21, CFR10, GR10, GKP08, KKW12, VWY10, VH05, Wil10]. **Weighted-** [ALM+20]. **Weights** [DKN17]. **Welfare** [GKK23]. **Well** [FV19, BCM11]. **Well-Behaved** [FV19]. **Wideness** [KRS19]. **Width** [AN16, CCG+24, CRZ20, GHK+24, MTK+19, CDP19, FGL+19, GNSW20, Mar10, Oum08]. **Williams** [IIK+23]. **Windows** [BNLT07]. **Windrose** [ADD+18]. **wins** [CFR10]. **Wireless** [Hal12, KLPP23, KMPS16, AZ07, BKMSS11, EF12, NHK08, PR12]. **Without** [STK16, KR18, Pag18]. **Witness** [HH17]. **witnesses** [ALLT11]. **Wolfe** [Cla10]. **Word** [Cha13]. **Words** [CCKN19, BCN12, KSS09]. **Workspace** [AW19]. **World** [DGG+20]. **worst** [ADHY08, BF07, BM08, CV07]. **worst-case** [ADHY08, CV07]. **Writing** [KS08]. **Writing-all** [KS08].

Yao [BGLZ09].

zero [Kau07]. **Zeros** [GLLZ21]. **Zeta** [BHK+16]. **Zip** [TLT21]. **Ziv** [BFG09].

References

Albers:2014:RIN

[AA14] Susanne Albers and Antonios Antoniadis. Race to idle: New algorithms for speed scaling with a sleep state. *ACM Transactions on Algorithms*, 10(2):9:1–9:??, February 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Alon:2006:GAO

[AAA+06] Noga Alon, Baruch Awerbuch, Yossi Azar, Niv Buchbinder, and Joseph (Seffi) Naor. A general approach to online network optimization problems. *ACM Transactions on Algorithms*, 2(4): 640–660, October 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Arya:2022:OBC

[AAdFM22] Rahul Arya, Sunil Arya, Guilherme D. da Fonseca, and David Mount. Optimal bound on the combinatorial complexity of approximating polytopes. *ACM Transactions on Algorithms*, 18 (4):35:1–35:??, October 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3559106`.

Alon:2009:ACM

[AAG09] Noga Alon, Yossi Azar, and Shai Gutner. Admission control to minimize rejections and online set cover with repetitions. *ACM Transactions on Algorithms*, 6(1):11:1–11:??, December 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Agarwal:2025:THP

[AAGH25] Pankaj K. Agarwal, Boris Aronov, Tzvika Geft, and Dan Halperin. On two-handed planar assembly partitioning with connectivity constraints. *ACM Transactions on Algorithms*, 21(2): 19:1–19:??, April 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Agarwal:2016:NNS

[AAHP+16] Pankaj K. Agarwal, Boris Aronov, Sariel Har-Peled, Jeff M. Phillips, Ke Yi, and Wuzhou Zhang. Nearest-neighbor searching under uncertainty II. *ACM Transactions on Algorithms*, 13 (1):3:1–3:??, December 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Agarwal:2006:EAB

[AAK06] Pankaj K. Agarwal, Boris Aronov, and Vladlen Koltun. Efficient algorithms for bichromatic separability. *ACM Transactions on Algorithms*, 2(2):209–227, April 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Aamand:2023:TSP

[AARA23] Anders Aamand, Mikkel Abrahamsen, Peter M. R. Rasmussen, and Thomas D. Ahle. Tiling with squares and packing dominos in polynomial time. *ACM Transactions on Algorithms*, 19 (3):30:1–30:??, July 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3597932`.

Agarwal:2010:EBU

[AAY10] Pankaj K. Agarwal, Lars Arge, and Ke Yi. I/O-efficient batched union–find and its applications to terrain analysis. *ACM Transactions on Algorithms*, 7(1):11:1–11:??, November 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Alon:2008:OEM

[ABD+08] Noga Alon, Mihai Bădoiu, Erik D. Demaine, Martin Farach-Colton, Mohammadtaghi Hajiaghayi, and Anastasios Sidiropoulos. Ordinal embeddings of minimum relaxation: General properties, trees, and ultrametrics. *ACM Transactions on Algorithms*, 4(4):46:1–46:??, August 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ahmadian:2018:AAM

[ABF+18] Sara Ahmadian, Babak Behsaz, Zachary Friggstad, Amin Jorati, Mohammad R. Salavatipour, and Chaitanya Swamy. Approximation algorithms for minimum-load k-facility location. *ACM Transactions on Algorithms*, 14(2):16:1–16:??, June 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Austrin:2016:BBB

[ABG16] Per Austrin, Siavosh Benabbas, and Konstantinos Georgiou. Better balance by being biased: a 0.8776-approximation for max bisection. *ACM Transactions on Algorithms*, 13(1):2:1–2:??, December 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Abboud:2018:SIR

[ABH+18] Amir Abboud, Arturs Backurs, Thomas Dueholm Hansen, Virginia Vassilevska Williams, and Or Zamir. Subtree isomorphism revisited. *ACM Transactions on Algorithms*, 14(3):27:1–27:??, July 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3093239`.

Abboud:2022:SBL

[ABHS22] Amir Abboud, Karl Bringmann, Danny Hermelin, and Dvir Shabtay. SETH-based lower bounds for subset sum and bicriteria path. *ACM Transactions on Algorithms*, 18(1):6:1–6:22, January 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3450524`.

Ackermann:2010:CMN

[ABS10] Marcel R. Ackermann, Johannes Blömer, and Christian Sohler. Clustering for metric and nonmetric distance measures. *ACM Transactions on Algorithms*, 6(4):59:1–59:??, August 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Adjiashvili:2019:FTB

[ABZ19] David Adjiashvili, Andrea Baggio, and Rico Zenklusen. Firefighting on trees beyond integrality gaps. *ACM Transactions on Algorithms*, 15(2):1–33, May 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3173046`.

Aspnes:2010:ASM

[AC10] James Aspnes and Keren Censor. Approximate shared-memory counting despite a strong adversary. *ACM Transactions on Algorithms*, 6(2):25:1–25:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Abraham:2020:RST

[ACE+20] Ittai Abraham, Shiri Chechik, Michael Elkin, Arnold Filtser, and Ofer Neiman. Ramsey spanning trees and their applications. *ACM Transactions on Algorithms*, 16(2):19:1–19:21, April 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3371039`.

Antoniadis:2023:OMA

[ACE+23] Antonios Antoniadis, Christian Coester, Marek Eliás, Adam Polak, and Bertrand Simon. Online metric algorithms with untrusted predictions. *ACM Transactions on Algorithms*, 19 (2):19:1–19:??, April 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3582689`.

Adamaszek:2019:LKC

[ACER19] Anna Adamaszek, Artur Czumaj, Matthias Englert, and Harald Räcke. An $O(\log k)$-competitive algorithm for generalized caching. *ACM Transactions on Algorithms*, 15(1):1–18, January 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3280826`.

Abraham:2016:FSD

[ACGP16] Ittai Abraham, Shiri Chechik, Cyril Gavoille, and David Peleg. Forbidden-set distance labels for graphs of bounded doubling dimension. *ACM Transactions on Algorithms*, 12(2):22:1–22:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Abboud:2021:SCH

[ACHKP21] Amir Abboud, Keren Censor-Hillel, Seri Khoury, and Ami Paz. Smaller cuts, higher lower bounds. *ACM Transactions on Algorithms*, 17(4):30:1–30:40, October 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3469834`.

Agarwal:2022:MUU

[ACHM22] Pankaj K. Agarwal, Ravid Cohen, Dan Halperin, and Wolfgang Mulzer. Maintaining the union of unit discs under insertions with near-optimal overhead. *ACM Transactions on Algorithms*, 18(3):26:1–26:??, July 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3527614`.

Agarwal:2022:DGS

[ACS+22] Pankaj Agarwal, Hsien-Chih Chang, Subhash Suri, Allen Xiao, and Jie Xue. Dynamic geometric set cover and hitting set. *ACM Transactions on Algorithms*, 18(4):40:1–40:??, October 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3551639`.

Agarwal:2012:RSU

[ACY12] Pankaj K. Agarwal, Siu-Wing Cheng, and Ke Yi. Range searching on uncertain data. *ACM Transactions on Algorithms*, 8(4):43:1–43:??, September 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Aumuller:2016:OPD

[AD16] Martin Aumüller and Martin Dietzfelbinger. Optimal partitioning for dual-pivot Quicksort. *ACM Transactions on Algorithms*, 12 (2):18:1–18:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Angelini:2018:WPE

[ADD+18] Patrizio Angelini, Giordano Da Lozzo, Giuseppe Di Battista, Valentino Di Donato, Philipp Kindermann, Günter Rote, and Ignaz Rutter. Windrose planarity: Embedding graphs with direction-constrained edges. *ACM Transactions on Algorithms*, 14(4):1–24, October 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3239561`.

Angelini:2015:TPP

[ADF+15] Patrizio Angelini, Giuseppe Di Battista, Fabrizio Frati, Vít Jelínek, Jan Kratochvíl, Maurizio Patrignani, and Ignaz Rutter. Testing planarity of partially embedded graphs. *ACM Transactions on Algorithms*, 11(4):32:1–32:??, June 2015. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Aronov:2021:PPS

[ADGH21] Boris Aronov, Mark De Berg, Joachim Gudmundsson, and Michael Horton. On β-plurality points in spatial voting games. *ACM Transactions on Algorithms*, 17(3):24:1–24:21, August 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3459097`.

Arge:2008:PRT

[ADHY08] Lars Arge, Mark De Berg, Herman Haverkort, and Ke Yi. The priority R-tree: a practically efficient and worst-case optimal R-tree. *ACM Transactions on Algorithms*, 4(1):9:1–9:??, March 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Adjiashvili:2019:BAF

[Adj19] David Adjiashvili. Beating approximation factor two for weighted tree augmentation with bounded costs. *ACM Transactions on Algorithms*, 15(2):1–26, May 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3182395`.

Aumuller:2016:HGM

[ADK16] Martin Aumüller, Martin Dietzfelbinger, and Pascal Klaue. How good is multi-pivot Quicksort? *ACM Transactions on Algorithms*, 13(1):8:1–8:??, December 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ayyadevara:2025:NOA

[ADKS25] Nikhil Ayyadevara, Rajni Dabas, Arindam Khan, and K. V. N. Sreenivas. Near-optimal algorithms for stochastic online bin packing. *ACM Transactions on Algorithms*, 21(2):24:1–24:??, April 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Auletta:2007:RSU

[ADPP07] Vincenzo Auletta, Roberto De Prisco, Paolo Penna, and Giuseppe Persiano. Routing selfish unsplittable traffic. *ACM Transactions on Algorithms*, 3(4):52:1–52:??, November 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Aronov:2016:STN

[ADV+16] Boris Aronov, Anne Driemel, Marc Van Kreveld, Maarten Löffler, and Frank Staals. Segmentation of trajectories on nonmonotone criteria. *ACM Transactions on Algorithms*, 12(2):26:1–26:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Amir:2012:CDC

[AEL+12] Amihood Amir, Estrella Eisenberg, Avivit Levy, Ely Porat, and Natalie Shapira. Cycle detection and correction. *ACM Transactions on Algorithms*, 9(1):13:1–13:??, December 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Antoniadis:2024:BBC

[AEMV24] Antonios Antoniadis, Matthias Englert, Nicolaos Matsakis, and Pavel Veselý. Breaking the barrier of 2 for the competitiveness of longest queue drop. *ACM Transactions on Algorithms*, 20 (4):38:1–38:??, October 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3676887`.

Anagnostopoulos:2018:RES

[AEP18] Evangelos Anagnostopoulos, Ioannis Z. Emiris, and Ioannis Psarros. Randomized embeddings with slack and high-dimensional approximate nearest neighbor. *ACM Transactions on Algorithms*, 14 (2):18:1–18:??, June 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Avigdor-Elgrabli:2015:ICA

[AER15] Noa Avigdor-Elgrabli and Yuval Rabani. An improved competitive algorithm for reordering buffer management. *ACM Transactions on Algorithms*, 11(4):35:1–35:??, June 2015. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Albers:2007:EEA

[AF07] Susanne Albers and Hiroshi Fujiwara. Energy-efficient algorithms for flow time minimization. *ACM Transactions on Algorithms*, 3 (4):49:1–49:??, November 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Adany:2016:ANG

[AFH+16] Ron Adany, Moran Feldman, Elad Haramaty, Rohit Khandekar, Baruch Schieber, Roy Schwartz, Hadas Shachnai, and Tami Tamir. All-or-nothing generalized assignment with application to scheduling advertising campaigns. *ACM Transactions on Algorithms*, 12(3):38:1–38:??, June 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ajtai:2016:SSI

[AFHN16] Miklós Ajtai, Vitaly Feldman, Avinatan Hassidim, and Jelani Nelson. Sorting and selection with imprecise comparisons. *ACM Transactions on Algorithms*, 12(2):19:1–19:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Antoniadis:2020:PET

[AFHS20] Antonios Antoniadis, Krzysztof Fleszar, Ruben Hoeksma, and Kevin Schewior. A PTAS for Euclidean TSP with hyperplane neighborhoods. *ACM Transactions on Algorithms*, 16(3):38:1–38:16, June 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3383466`.

Avraham:2015:DSF

[AFK+15] Rinat Ben Avraham, Omrit Filtser, Haim Kaplan, Matthew J. Katz, and Micha Sharir. The discrete and semicontinuous Fréchet distance with shortcuts via approximate distance counting and selection. *ACM Transactions on Algorithms*, 11(4):29:1–29:??, June 2015. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ashok:2018:EAT

[AFK+18] Pradeesha Ashok, Fedor V. Fomin, Sudeshna Kolay, Saket Saurabh, and Meirav Zehavi. Exact algorithms for terrain guarding. *ACM Transactions on Algorithms*, 14(2):25:1–25:??, June 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ajwani:2008:AIT

[AFM08] Deepak Ajwani, Tobias Friedrich, and Ulrich Meyer. An $O(n^{2.75})$ algorithm for incremental topological ordering. *ACM Transactions on Algorithms*, 4(4):39:1–39:??, August 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Agarwal:2018:CGH

[AFN+18] Pankaj K. Agarwal, Kyle Fox, Abhinandan Nath, Anastasios Sidiropoulos, and Yusu Wang. Computing the Gromov–Hausdorff distance for metric trees. *ACM Transactions on Algorithms*, 14(2):24:1–24:??, June 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Asadpour:2012:SCM

[AFS12] Arash Asadpour, Uriel Feige, and Amin Saberi. Santa Claus meets hypergraph matchings. *ACM Transactions on Algorithms*, 8(3):24:1–24:??, July 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Agarwal:2018:EAC

[AFS18] Pankaj K. Agarwal, Kyle Fox, and Oren Salzman. An efficient algorithm for computing high-quality paths amid polygonal obstacles. *ACM Transactions on Algorithms*, 14(4):1–21, October 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3230650`.

Akitaya:2019:RWE

[AFT19] Hugo A. Akitaya, Radoslav Fulek, and Csaba D. Tóth. Recognizing weak embeddings of graphs. *ACM Transactions on Algorithms*, 15(4):1–27, October 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3344549`.

Alon:2010:BFP

[AG10] Noga Alon and Shai Gutner. Balanced families of perfect hash functions and their applications. *ACM Transactions on Algorithms*, 6(3):54:1–54:??, June 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Andreev:2009:SSL

[AGG+09] Konstantin Andreev, Charles Garrod, Daniel Golovin, Bruce Maggs, and Adam Meyerson. Simultaneous source location. *ACM Transactions on Algorithms*, 6(1):16:1–16:??, December 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Azar:2010:TUF

[AGG10] Yossi Azar, Iftah Gamzu, and Shai Gutner. Truthful unsplittable flow for large capacity networks. *ACM Transactions on Algorithms*, 6(2):36:1–36:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Azar:2021:OSD

[AGGP21] Yossi Azar, Arun Ganesh, Rong Ge, and Debmalya Panigrahi. Online service with delay. *ACM Transactions on Algorithms*, 17 (3):23:1–23:31, August 2021. CODEN ???? ISSN 1549-6325

(print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3459925`.

Alon:2007:GSE

[AGKS07] Noga Alon, Venkatesan Guruswami, Tali Kaufman, and Madhu Sudan. Guessing secrets efficiently via list decoding. *ACM Transactions on Algorithms*, 3(4):42:1–42:??, November 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Anagnostopoulos:2018:MAU

[AGLW18] Aris Anagnostopoulos, Fabrizio Grandoni, Stefano Leonardi, and Andreas Wiese. A mazing $2+\epsilon$ approximation for unsplittable flow on a path. *ACM Transactions on Algorithms*, 14(4):1–23, October 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3242769`.

Abraham:2008:CNI

[AGM+08] Ittai Abraham, Cyril Gavoille, Dahlia Malkhi, Noam Nisan, and Mikkel Thorup. Compact name-independent routing with minimum stretch. *ACM Transactions on Algorithms*, 4(3):37:1–37:??, June 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ambuhl:2011:TEL

[AGP+11] Christoph Ambühl, Leszek Gasieniec, Andrzej Pelc, Tomasz Radzik, and Xiaohui Zhang. Tree exploration with logarithmic memory. *ACM Transactions on Algorithms*, 7(2):17:1–17:??, March 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ambuhl:2013:OLB

[AGvS13] Christoph Ambühl, Bernd Gärtner, and Bernhard von Stengel. Optimal lower bounds for projective list update algorithms. *ACM Transactions on Algorithms*, 9(4):31:1–31:??, September 2013. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Abboud:2023:SEB

[AGW23] Amir Abboud, Fabrizio Grandoni, and Virginia Vassilevska Williams. Subcubic equivalences between graph centrality problems, APSP, and diameter. *ACM Transactions on Algorithms*, 19(1):3:1–3:??, January 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3563393`.

Agarwal:2010:HDU

[AHPSW10] Pankaj K. Agarwal, Sariel Har-Peled, Micha Sharir, and Yusu Wang. Hausdorff distance under translation for points and balls. *ACM Transactions on Algorithms*, 6(4):71:1–71:??, August 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Alstrup:2005:BBC

[AHRT05] Stephen Alstrup, Thore Husfeldt, Theis Rauhe, and Mikkel Thorup. Black box for constant-time insertion in priority queues (note). *ACM Transactions on Algorithms*, 1(1):102–106, July 2005. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Alstrup:2005:MIF

[AHTL05] Stephen Alstrup, Jacob Holm, Mikkel Thorup, and Kristian De Lichtenberg. Maintaining information in fully dynamic trees with top trees. *ACM Transactions on Algorithms*, 1(2):243–264, October 2005. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Andoni:2012:SCE

[AK12a] Alexandr Andoni and Robert Krauthgamer. The smoothed complexity of edit distance. *ACM Transactions on Algorithms*, 8 (4):44:1–44:??, September 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Arvind:2012:TNG

[AK12b] V. Arvind and Piyush P. Kurur. Testing nilpotence of Galois groups in polynomial time. *ACM Transactions on Algorithms*, 8 (3):32:1–32:??, July 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Aronov:2018:BPL

[AK18] Boris Aronov and Matthew J. Katz. Batched point location in SINR diagrams via algebraic tools. *ACM Transactions on Algorithms*, 14(4):1–29, October 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3209678`.

Aminof:2010:RAO

[AKL10] Benjamin Aminof, Orna Kupferman, and Robby Lampert. Reasoning about online algorithms with weighted automata. *ACM*

Transactions on Algorithms, 6(2):28:1–28:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Asathulla:2020:FAM

[AKLR20] Mudabir Kabir Asathulla, Sanjeev Khanna, Nathaniel Lahn, and Sharath Raghvendra. A faster algorithm for minimum-cost bipartite perfect matching in planar graphs. *ACM Transactions on Algorithms*, 16(1):2:1–2:30, January 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3365006`.

Aiello:2008:CBM

[AKM08] William Aiello, Alex Kesselman, and Yishay Mansour. Competitive buffer management for shared-memory switches. *ACM Transactions on Algorithms*, 5(1):3:1–3:??, November 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Azar:2010:DEC

[AKPS10] Yossi Azar, Shay Kutten, and Boaz Patt-Shamir. Distributed error confinement. *ACM Transactions on Algorithms*, 6(3):48:1–48:??, June 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Awerbuch:2012:DAM

[AKR12] Baruch Awerbuch, Rohit Khandekar, and Satish Rao. Distributed algorithms for multicommodity flow problems via approximate steepest descent framework. *ACM Transactions on Algorithms*, 9(1):3:1–3:??, December 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Agarwal:2008:KDD

[AKS08] Pankaj K. Agarwal, Haim Kaplan, and Micha Sharir. Kinetic and dynamic data structures for closest pair and all nearest neighbors. *ACM Transactions on Algorithms*, 5(1):4:1–4:??, November 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Annamalai:2017:CAR

[AKS17] Chidambaram Annamalai, Christos Kalaitzis, and Ola Svensson. Combinatorial algorithm for restricted max–min fair allocation. *ACM Transactions on Algorithms*, 13(3):37:1–37:??, August 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

An:2021:AAB

[AKS21] Hyung-Chan An, Robert Kleinberg, and David B. Shmoys. Approximation algorithms for the bottleneck asymmetric traveling salesman problem. *ACM Transactions on Algorithms*, 17 (4):35:1–35:12, October 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3478537`.

Ailon:2013:AOU

[AL13] Nir Ailon and Edo Liberty. An almost optimal unrestricted fast Johnson–Lindenstrauss Transform. *ACM Transactions on Algorithms*, 9(3):21:1–21:??, June 2013. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Alber:2010:EN

[Alb10a] Susanne Alber. Editorial note. *ACM Transactions on Algorithms*, 6(4):57:1–57:??, August 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Albers:2010:EN

[Alb10b] Susanne Albers. Editorial Note. *ACM Transactions on Algorithms*, 6(2):22:1–22:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Agrawal:2025:OCT

[ALL+25] Akanksha Agrawal, Paloma T. Lima, Daniel Lokshtanov, Paweł Rzażewski, Saket Saurabh, and Roohani Sharma. Odd cycle transversal on P_5-free graphs in polynomial time. *ACM Transactions on Algorithms*, 21(2):16:1–16:??, April 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Amir:2007:DTS

[ALLS07] Amihood Amir, Gad M. Landau, Moshe Lewenstein, and Dina Sokol. Dynamic text and static pattern matching. *ACM Transactions on Algorithms*, 3(2):19:1–19:??, May 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Aumann:2011:FWP

[ALLT11] Yonatan Aumann, Moshe Lewenstein, Noa Lewenstein, and Dekel Tsur. Finding witnesses by peeling. *ACM Transactions on Algorithms*, 7(2):24:1–24:??, March 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Aumann:2012:DIG

[ALM+12] Yonatan Aumann, Moshe Lewenstein, Oren Melamud, Ron Pinter, and Zohar Yakhini. Dotted interval graphs. *ACM Transactions on Algorithms*, 8(2):9:1–9:??, April 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Agrawal:2019:FVS

[ALM+19] Akanksha Agrawal, Daniel Lokshtanov, Pranabendu Misra, Saket Saurabh, and Meirav Zehavi. Feedback vertex set inspired kernel for chordal vertex deletion. *ACM Transactions on Algorithms*, 15 (1):1–28, January 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3284356`.

Agrawal:2020:PAA

[ALM+20] Akanksha Agrawal, Daniel Lokshtanov, Pranabendu Misra, Saket Saurabh, and Meirav Zehavi. Polylogarithmic approximation algorithms for weighted-F-deletion problems. *ACM Transactions on Algorithms*, 16(4):51:1–51:38, September 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3389338`.

Agrawal:2023:PKI

[ALM+23] Akanksha Agrawal, Daniel Lokshtanov, Pranabendu Misra, Saket Saurabh, and Meirav Zehavi. Polynomial kernel for interval vertex deletion. *ACM Transactions on Algorithms*, 19(2):11:1–11:??, April 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3571075`.

Arya:2007:SEB

[AMM07] Sunil Arya, Theocharis Malamatos, and David M. Mount. A simple entropy-based algorithm for planar point location. *ACM Transactions on Algorithms*, 3(2):17:1–17:17, May 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Amanatidis:2017:AAC

[AMNS17] Georgios Amanatidis, Evangelos Markakis, Afshin Nikzad, and Amin Saberi. Approximation algorithms for computing maximin share allocations. *ACM Transactions on Algorithms*, 13(4):52:1–52:??, December 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Alagic:2009:QAS

[AMR09] Gorjan Alagic, Cristopher Moore, and Alexander Russell. Quantum algorithms for Simon's problem over nonabelian groups. *ACM Transactions on Algorithms*, 6(1):19:1–19:??, December 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Alon:2006:ACS

[AMS06] Noga Alon, Dana Moshkovitz, and Shmuel Safra. Algorithmic construction of sets for k-restrictions. *ACM Transactions on Algorithms*, 2(2):153–177, April 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Alman:2020:DPP

[AMW20] Josh Alman, Matthias Mnich, and Virginia Vassilevska Williams. Dynamic parameterized problems and algorithms. *ACM Transactions on Algorithms*, 16(4):45:1–45:46, September 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3395037`.

Andoni:2016:WPS

[AN16] Alexandr Andoni and Huy L. Nguyên. Width of points in the streaming model. *ACM Transactions on Algorithms*, 12(1):5:1–5:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Andrews:2009:IFP

[And09] Matthew Andrews. Instability of FIFO in the permanent sessions model at arbitrarily small network loads. *ACM Transactions on Algorithms*, 5(3):33:1–33:??, July 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Andersen:2010:LAF

[And10] Reid Andersen. A local algorithm for finding dense subgraphs. *ACM Transactions on Algorithms*, 6(4):60:1–60:??, August 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

An:2017:DFL

[ANFS17] Hyung-Chan An, Ashkan Norouzi-Fard, and Ola Svensson. Dynamic facility location via exponential clocks. *ACM Transactions on Algorithms*, 13(2):21:1–21:??, May 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Aggarwal:2010:AAC

[APF+10] Gagan Aggarwal, Rina Panigrahy, Tomás Feder, Dilys Thomas, Krishnaram Kenthapadi, Samir Khuller, and An Zhu. Achieving anonymity via clustering. *ACM Transactions on Algorithms*, 6 (3):49:1–49:??, June 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Andoni:2017:E

[APP17] Alexandr Andoni, Debmalya Panigrahi, and Marcin Pilipczuk. Editorial. *ACM Transactions on Algorithms*, 13(2):18:1–18:??, May 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Adler:2005:PMM

[AR05] Micah Adler and Dan Rubenstein. Pricing multicasting in more flexible network models. *ACM Transactions on Algorithms*, 1(1): 48–73, July 2005. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Azar:2006:IAC

[AR06] Yossi Azar and Yossi Richter. An improved algorithm for CIOQ switches. *ACM Transactions on Algorithms*, 2(2):282–295, April 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Alonso:2008:ACL

[AR08a] Laurent Alonso and Edward M. Reingold. Average-case lower bounds for the plurality problem. *ACM Transactions on Algorithms*, 4(3):27:1–27:??, June 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Alonso:2008:DP

[AR08b] Laurent Alonso and Edward M. Reingold. Determining plurality. *ACM Transactions on Algorithms*, 4(3):26:1–26:??, June 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Alonso:2009:ACA

[AR09] Laurent Alonso and Edward M. Reingold. Average-case analysis of some plurality algorithms. *ACM Transactions on Algorithms*, 5(2):17:1–17:??, March 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Awerbuch:2014:PRM

[ARS+14] Baruch Awerbuch, Andrea Richa, Christian Scheideler, Stefan Schmid, and Jin Zhang. Principles of robust medium access and an application to leader election. *ACM Transactions on Algorithms*, 10(4):24:1–24:??, August 2014. ISSN 1549-6325 (print), 1549-6333 (electronic).

Aspnes:2007:SG

[AS07] James Aspnes and Gauri Shah. Skip graphs. *ACM Transactions on Algorithms*, 3(4):37:1–37:??, November 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Azriel:2008:IFS

[ASS08] Dany Azriel, Noam Solomon, and Shay Solomon. On an infinite family of solvable Hanoi graphs. *ACM Transactions on Algorithms*, 5(1):13:1–13:??, November 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Amiri:2019:DDS

[ASS19] Saeed Akhoondian Amiri, Stefan Schmid, and Sebastian Siebertz. Distributed dominating set approximations beyond planar graphs. *ACM Transactions on Algorithms*, 15(3):1–18, July 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3326170`.

Agarwal:2008:ACT

[ASW08] Pankaj K. Agarwal, Micha Sharir, and Emo Welzl. Algorithms for center and Tverberg points. *ACM Transactions on Algorithms*, 5(1):5:1–5:??, November 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Archer:2007:FPM

[AT07] Aaron Archer and Éva Tardos. Frugal path mechanisms. *ACM Transactions on Algorithms*, 3(1):??, February 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Alstrup:2014:UFC

[ATG+14] Stephen Alstrup, Mikkel Thorup, Inge Li Gørtz, Theis Rauhe, and Uri Zwick. Union-find with constant time deletions. *ACM Transactions on Algorithms*, 11(1):6:1–6:??, August 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Abrahamsen:2019:CTT

[AW19] Mikkel Abrahamsen and Bartosz Walczak. Common tangents of two disjoint polygons in linear time and constant workspace. *ACM Transactions on Algorithms*, 15(1):1–21, January 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3284355`.

Andrews:2007:RSM

[AZ07] Matthew Andrews and Lisa Zhang. Routing and scheduling in multihop wireless networks with time-varying channels. *ACM Transactions on Algorithms*, 3(3):33:1–33:??, August 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Anshelevich:2008:PDU

[AZ08] Elliot Anshelevich and Lisa Zhang. Path decomposition under a new cost measure with applications to optical network design. *ACM Transactions on Algorithms*, 4(1):15:1–15:??, March 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Abbasi-Zadeh:2022:SBR

[AZBG+22] Sepehr Abbasi-Zadeh, Nikhil Bansal, Guru Guruganesh, Aleksandar Nikolov, Roy Schwartz, and Mohit Singh. Sticky Brownian rounding and its applications to constraint satisfaction problems. *ACM Transactions on Algorithms*, 18(4):33:1–33:??, October 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3459096`.

Ben-Aroya:2011:CAF

[BAT11] Avraham Ben-Aroya and Sivan Toledo. Competitive analysis of flash memory algorithms. *ACM Transactions on Algorithms*, 7(2):23:1–23:??, March 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Blandford:2008:CDV

[BB08] Daniel K. Blandford and Guy E. Blelloch. Compact dictionaries for variable-length keys and data with applications. *ACM Transactions on Algorithms*, 4(2):17:1–17:??, May 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Berend:2009:LAC

[BB09] Daniel Berend and Vladimir Braverman. A linear algorithm for computing convex hulls for random lines. *ACM Transactions on*

Algorithms, 5(4):42:1–42:??, October 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Blomer:2020:CTS

[BBB20] Johannes Blömer, Sascha Brauer, and Kathrin Bujna. A complexity theoretical study of fuzzy K-means. *ACM Transactions on Algorithms*, 16(4):53:1–53:25, September 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3409385`.

Bacher:2017:GRP

[BBHT17] Axel Bacher, Olivier Bodini, Hsien-Kuei Hwang, and Tsung-Hsi Tsai. Generating random permutations by coin tossing: Classical algorithms, new analysis, and modern implementation. *ACM Transactions on Algorithms*, 13(2):24:1–24:43, May 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bienkowski:2019:DBF

[BBM19] Marcin Bienkowski, Jarosław Byrka, and Marcin Mucha. Dynamic beats fixed: On phase-based algorithms for file migration. *ACM Transactions on Algorithms*, 15(4):1–21, October 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3340296`.

Baswana:2023:MCD

[BBP23] Surender Baswana, Koustav Bhanja, and Abhyuday Pandey. Minimum+1 (s, t)-cuts and dual-edge sensitivity oracle. *ACM Transactions on Algorithms*, 19(4):38:1–38:??, October 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3623271`.

Bocker:2012:IFP

[BBT12] Sebastian Böcker, Quang Bao Anh Bui, and Anke Truss. Improved fixed-parameter algorithms for minimum-flip consensus trees. *ACM Transactions on Algorithms*, 8(1):7:1–7:??, January 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bringmann:2023:LTA

[BCAD23] Karl Bringmann, Vincent Cohen-Addad, and Debarati Das. A linear-time $n^{0.4}$-approximation for longest common subsequence. *ACM Transactions on Algorithms*, 19(1):9:1–9:??, January 2023.

CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3568398`.

Bansal:2010:DPI

[BCC+10] Nikhil Bansal, Ning Chen, Neva Cherniavsky, Atri Rurda, Baruch Schieber, and Maxim Sviridenko. Dynamic pricing for impatient bidders. *ACM Transactions on Algorithms*, 6(2):35:1–35:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bibak:2021:ISC

[BCC21] Ali Bibak, Charles Carlson, and Karthekeyan Chandrasekaran. Improving the smoothed complexity of FLIP for max cut problems. *ACM Transactions on Algorithms*, 17(3):19:1–19:38, August 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3454125`.

Baptiste:2012:PTA

[BCD12] Philippe Baptiste, Marek Chrobak, and Christoph Dürr. Polynomial-time algorithms for minimum energy scheduling. *ACM Transactions on Algorithms*, 8(3):26:1–26:??, July 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bagchi:2007:DSR

[BCEG07] Amitabha Bagchi, Amitabh Chaudhary, David Eppstein, and Michael T. Goodrich. Deterministic sampling and range counting in geometric data streams. *ACM Transactions on Algorithms*, 3 (2):16:1–16:??, May 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bhatia:2007:AAB

[BCFN07] Randeep Bhatia, Julia Chuzhoy, Ari Freund, and Joseph (Seffi) Naor. Algorithmic aspects of bandwidth trading. *ACM Transactions on Algorithms*, 3(1):??, February 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bose:2012:SGI

[BCH+12] Prosenjit Bose, Eric Y. Chen, Meng He, Anil Maheshwari, and Pat Morin. Succinct geometric indexes supporting point location queries. *ACM Transactions on Algorithms*, 8(2):10:1–10:??, April 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Baswana:2020:ASS

[BCHR20] Surender Baswana, Keerti Choudhary, Moazzam Hussain, and Liam Roditty. Approximate single-source fault tolerant shortest path. *ACM Transactions on Algorithms*, 16(4):44:1–44:22, September 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3397532`.

Bose:2023:COS

[BCI+23] Prosenjit Bose, Jean Cardinal, John Iacono, Grigorios Koumoutsos, and Stefan Langerman. Competitive online search trees on trees. *ACM Transactions on Algorithms*, 19(3):25:1–25:??, July 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3595180`.

Bliznets:2020:LBP

[BCK+20] Ivan Bliznets, Marek Cygan, Paweł Komosa, Michał Pilipczuk, and Lukás Mach. Lower bounds for the parameterized complexity of minimum fill-in and other completion problems. *ACM Transactions on Algorithms*, 16(2):25:1–25:31, April 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3381426`.

Belazzougui:2020:LTS

[BCKM20] Djamal Belazzougui, Fabio Cunial, Juha Kärkkäinen, and Veli Mäkinen. Linear-time string indexing and analysis in small space. *ACM Transactions on Algorithms*, 16(2):17:1–17:54, April 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3381417`.

Beier:2006:CES

[BCKV06] Rene Beier, Artur Czumaj, Piotr Krysta, and Berthold Vöcking. Computing equilibria for a service provider game with (im)perfect information. *ACM Transactions on Algorithms*, 2(4):679–706, October 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Borodin:2011:HWC

[BCM11] Allan Borodin, David Cashman, and Avner Magen. How well can primal-dual and local-ratio algorithms perform? *ACM Transactions on Algorithms*, 7(3):29:1–29:??, July 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bonifaci:2012:ACP

[BCMSM12] Vincenzo Bonifaci, Ho-Leung Chan, Alberto Marchetti-Spaccamela, and Nicole Megow. Algorithms and complexity for periodic real-time scheduling. *ACM Transactions on Algorithms*, 9(1):6:1–6:??, December 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bassino:2012:COF

[BCN12] Frédérique Bassino, Julien Clément, and Pierre Nicodème. Counting occurrences for a finite set of words: combinatorial methods. *ACM Transactions on Algorithms*, 8(3):31:1–31:??, July 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bansal:2013:SSA

[BCP13] Nikhil Bansal, Ho-Leung Chan, and Kirk Pruhs. Speed scaling with an arbitrary power function. *ACM Transactions on Algorithms*, 9(2):18:1–18:??, March 2013. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Blanca:2024:FPS

[BCP24] Antonio Blanca, Sarah Cannon, and Will Perkins. Fast and perfect sampling of subgraphs and polymer systems. *ACM Transactions on Algorithms*, 20(1):5:1–5:??, January 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3632294`.

Blanca:2020:SLH

[BCSV20] Antonio Blanca, Zongchen Chen, Daniel Stefankoviè, and Eric Vigoda. Structure learning of H-colorings. *ACM Transactions on Algorithms*, 16(3):36:1–36:28, June 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3382207`.

Blanca:2025:CHD

[BCSV25] Antonio Blanca, Zongchen Chen, Daniel STefankovic, and Eric Vigoda. Complexity of high-dimensional identity testing with coordinate conditional sampling. *ACM Transactions on Algorithms*, 21(1):7:1–7:??, January 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bansal:2007:MWF

[BD07] Nikhil Bansal and Kedar Dhamdhere. Minimizing weighted flow time. *ACM Transactions on Algorithms*, 3(4):39:1–39:??, November 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bonsma:2011:TBF

[BD11] Paul Bonsma and Frederic Dorn. Tight bounds and a fast FPT algorithm for directed Max-Leaf Spanning Tree. *ACM Transactions on Algorithms*, 7(4):44:1–44:??, September 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bonamy:2020:EMD

[BDH+20] Marthe Bonamy, Oscar Defrain, Marc Heinrich, Michał Pilipczuk, and Jean-Florent Raymond. Enumerating minimal dominating sets in Kt-free graphs and variants. *ACM Transactions on Algorithms*, 16(3):39:1–39:23, June 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3386686`.

Bouchard:2023:AOD

[BDLP23] Sébastien Bouchard, Yoann Dieudonné, Arnaud Labourel, and Andrzej Pelc. Almost-optimal deterministic treasure hunt in unweighted graphs. *ACM Transactions on Algorithms*, 19(3):22:1–22:??, July 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3588437`.

Buchin:2023:AMC

[BDR23] Maike Buchin, Anne Driemel, and Dennis Rohde. Approximating (k, l)-median clustering for polygonal curves. *ACM Transactions on Algorithms*, 19(1):4:1–4:??, January 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3559764`.

Bhattacharyya:2019:OAH

[BDW19] Arnab Bhattacharyya, Palash Dey, and David P. Woodruff. An optimal algorithm for l_1-heavy hitters in insertion streams and related problems. *ACM Transactions on Algorithms*, 15(1):1–27, January 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3264427`.

Baier:2010:LBC

[BEH+10] Georg Baier, Thomas Erlebach, Alexander Hall, Ekkehard Köhler, Petr Kolman, Ondrej Pangrác, Heiko Schilling, and Martin Skutella. Length-bounded cuts and flows. *ACM Transactions on Algorithms*, 7(1):4:1–4:??, November 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bansal:2019:HKS

[BEJK19] Nikhil Bansal, Marek Eliéš, Łukasz Jeż, and Grigorios Koumoutsos. The (h, k)-server problem on bounded depth trees. *ACM Transactions on Algorithms*, 15(2):1–26, May 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3301314`.

Bansal:2023:CAG

[BEKN23] Nikhil Bansal, Marek Eliás, Grigorios Koumoutsos, and Jesper Nederlof. Competitive algorithms for generalized k-server in uniform metrics. *ACM Transactions on Algorithms*, 19(1):8:1–8:??, January 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3568677`.

Boyar:2007:RWO

[BF07] Joan Boyar and Lene M. Favrholdt. The relative worst order ratio for online algorithms. *ACM Transactions on Algorithms*, 3 (2):22:1–22:??, May 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Babai:2009:CRC

[BF09] László Babai and Pedro F. Felzenszwalb. Computing rank-convolutions with a mask. *ACM Transactions on Algorithms*, 6(1):20:1–20:??, December 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Buchbinder:2018:DAS

[BF18] Niv Buchbinder and Moran Feldman. Deterministic algorithms for submodular maximization problems. *ACM Transactions on Algorithms*, 14(3):32:1–32:??, July 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3184990`.

Blasius:2024:EVA

[BF24] Thomas Bläsius and Philipp Fischbeck. On the external validity of average-case analyses of graph algorithms. *ACM Transactions on Algorithms*, 20(1):10:1–10:??, January 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3633778`.

Bender:2017:COS

[BFCF+17] Michael A. Bender, Martín Farach-Colton, Sándor P. Fekete, Jeremy T. Fineman, and Seth Gilbert. Cost-oblivious storage reallocation. *ACM Transactions on Algorithms*, 13(3):38:1–38:??, August 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Blasius:2022:ESP

[BFF+22] Thomas Bläsius, Cedric Freiberger, Tobias Friedrich, Maximilian Katzmann, Felix Montenegro-Retana, and Marianne Thieffry. Efficient shortest paths in scale-free networks with underlying hyperbolic geometry. *ACM Transactions on Algorithms*, 18(2):19:1–19:32, April 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3516483`.

Bille:2009:IAS

[BFG09] Philip Bille, Rolf Fagerberg, and Inge Li Gørtz. Improved approximate string matching and regular expression matching on Ziv–Lempel compressed texts. *ACM Transactions on Algorithms*, 6 (1):3:1–3:??, December 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bille:2016:STI

[BFG+16] Philip Bille, Johannes Fischer, Inge Li Gørtz, Tsvi Kopelowitz, Benjamin Sach, and Hjalte Wedel Vildhøj. Sparse text indexing in small space. *ACM Transactions on Algorithms*, 12(3):39:1–39:??, June 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bender:2016:NAI

[BFGT16] Michael A. Bender, Jeremy T. Fineman, Seth Gilbert, and Robert E. Tarjan. A new approach to incremental cycle detection and related problems. *ACM Transactions on Algorithms*, 12

(2):14:1–14:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bernstein:2021:DAD

[BFH21] Aaron Bernstein, Sebastian Forster, and Monika Henzinger. A deamortization approach for dynamic spanner and dynamic maximal matching. *ACM Transactions on Algorithms*, 17(4):29:1–29:51, October 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3469833`.

Bodlaender:2012:EAT

[BFK+12] Hans L. Bodlaender, Fedor V. Fomin, Arie M. C. A. Koster, Dieter Kratsch, and Dimitrios M. Thilikos. On exact algorithms for treewidth. *ACM Transactions on Algorithms*, 9(1):12:1–12:??, December 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Boczkowski:2021:NTP

[BFKR21] Lucas Boczkowski, Uriel Feige, Amos Korman, and Yoav Rodeh. Navigating in trees with permanently noisy advice. *ACM Transactions on Algorithms*, 17(2):15:1–15:27, June 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3448305`.

Boczkowski:2025:QCS

[BFKR25] Lucas Boczkowski, Uriel Feige, Amos Korman, and Yoav Rodeh. The query complexity of searching trees with permanently noisy advice. *ACM Transactions on Algorithms*, 21(2):18:1–18:??, April 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bansal:2014:LAU

[BFKS14] Nikhil Bansal, Zachary Friggstad, Rohit Khandekar, and Mohammad R. Salavatipour. A logarithmic approximation for unsplittable flow on line graphs. *ACM Transactions on Algorithms*, 10(1):1:1–1:??, January 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Buchin:2023:FDU

[BFL+23] Kevin Buchin, Chenglin Fan, Maarten Löffler, Aleksandr Popov, Benjamin Raichel, and Marcel Roeloffzen. Fréchet distance for

uncertain curves. *ACM Transactions on Algorithms*, 19(3):29:1–29:??, July 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3597640`.

Bliznets:2018:SPA

[BFPP18] Ivan Bliznets, Fedor V. Fomin, Marcin Pilipczuk, and MichaL Pilipczuk. Subexponential parameterized algorithm for interval completion. *ACM Transactions on Algorithms*, 14(3):35:1–35:??, July 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3186896`.

Blasius:2023:SPA

[BFR23] Thomas Bläsius, Simon D. Fink, and Ignaz Rutter. Synchronized planarity with applications to constrained planarity problems. *ACM Transactions on Algorithms*, 19(4):34:1–34:??, October 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3607474`.

Buchbinder:2019:OSM

[BFS19] Niv Buchbinder, Moran Feldman, and Roy Schwartz. Online submodular maximization with preemption. *ACM Transactions on Algorithms*, 15(3):1–31, July 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3309764`.

Boffa:2022:LAD

[BFV22] Antonio Boffa, Paolo Ferragina, and Giorgio Vinciguerra. A learned approach to design compressed rank/select data structures. *ACM Transactions on Algorithms*, 18(3):24:1–24:??, July 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3524060`.

Bille:2011:TIP

[BG11] Philip Bille and Inge Li Gortz. The tree inclusion problem: In linear space and faster. *ACM Transactions on Algorithms*, 7(3):38:1–38:47, July 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Breslauer:2014:RTS

[BG14] Dany Breslauer and Zvi Galil. Real-time streaming string-matching. *ACM Transactions on Algorithms*, 10(4):22:1–22:??, August 2014. ISSN 1549-6325 (print), 1549-6333 (electronic).

Backens:2020:HCA

[BG20] Miriam Backens and Leslie Ann Goldberg. Holant clones and the approximability of conservative Holant problems. *ACM Transactions on Algorithms*, 16(2):23:1–23:55, April 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3381425`.

Brakensiek:2021:QSI

[BG21] Joshua Brakensiek and Venkatesan Guruswami. The quest for strong inapproximability results with perfect completeness. *ACM Transactions on Algorithms*, 17(3):27:1–27:35, August 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3459668`.

Babenko:2016:AHL

[BGGN16] Maxim Babenko, Andrew V. Goldberg, Anupam Gupta, and Viswanath Nagarajan. Algorithms for hub label optimization. *ACM Transactions on Algorithms*, 13(1):16:1–16:??, December 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bezakova:2024:FSS

[BGGS24] Ivona Bezáková, Andreas Galanis, Leslie Ann Goldberg, and Daniel Stefankovic. Fast sampling via spectral independence beyond bounded-degree graphs. *ACM Transactions on Algorithms*, 20(1):7:1–7:??, January 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3631354`.

Bei:2019:APA

[BGH19] Xiaohui Bei, Jugal Garg, and Martin Hoefer. Ascending-price algorithms for unknown markets. *ACM Transactions on Algorithms*, 15(3):1–33, July 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3319394`.

Bhattacharya:2022:FDC

[BGK+22] Sayan Bhattacharya, Fabrizio Grandoni, Janardhan Kulkarni, Quanquan C. Liu, and Shay Solomon. Fully dynamic $(\Delta + 1)$-coloring in $O(1)$ update time. *ACM Transactions on Algorithms*, 18(2):10:1–10:25, April 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3494539`.

Bein:2009:KYQ

[BGLZ09] Wolfgang Bein, Mordecai J. Golin, Lawrence L. Larmore, and Yan Zhang. The Knuth–Yao quadrangle-inequality speedup is a consequence of total monotonicity. *ACM Transactions on Algorithms*, 6(1):17:1–17:??, December 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bringmann:2020:TED

[BGMW20] Karl Bringmann, Paweł Gawrychowski, Shay Mozes, and Oren Weimann. Tree edit distance cannot be computed in strongly subcubic time (unless APSP can). *ACM Transactions on Algorithms*, 16(4):48:1–48:22, September 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3381878`.

Bhattacharyya:2018:EAS

[BGN+18] Arnab Bhattacharyya, Fabrizio Grandoni, Aleksandar Nikolov, Barna Saha, Saket Saurabh, Aravindan Vijayaraghavan, and Qin Zhang. Editorial: ACM-SIAM Symposium on Discrete Algorithms (SODA) 2016 special issue. *ACM Transactions on Algorithms*, 14(3):26:1–26:??, July 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3230647`.

Buchsbaum:2008:RLC

[BGPV08] Adam L. Buchsbaum, Emden R. Gansner, Cecilia M. Procopiuc, and Suresh Venkatasubramanian. Rectangular layouts and contact graphs. *ACM Transactions on Algorithms*, 4(1):8:1–8:??, March 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bille:2023:SIC

[BGS23] Philip Bille, Inge Li Gørtz, and Teresa Anna Steiner. String indexing with compressed patterns. *ACM Transactions on Algorithms*, 19(4):32:1–32:??, October 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3607141`.

Bateni:2012:APC

[BH12] Mohammadhossein Bateni and Mohammadtaghi Hajiaghayi. Assignment problem in content distribution networks: Unsplittable

hard-capacitated facility location. *ACM Transactions on Algorithms*, 8(3):20:1–20:??, July 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Brenner:2019:FCB

[BH19] Ulrich Brenner and Anna Hermann. Faster carry bit computation for adder circuits with prescribed arrival times. *ACM Transactions on Algorithms*, 15(4):1–23, October 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3340321`.

Bjelde:2021:TBO

[BHD+21] Antje Bjelde, Jan Hackfeld, Yann Disser, Christoph Hansknecht, Maarten Lipmann, Julie Meißner, Miriam SchlÖter, Kevin Schewior, and Leen Stougie. Tight bounds for online TSP on the line. *ACM Transactions on Algorithms*, 17(1):3:1–3:58, January 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3422362`.

Bjorklund:2016:FZT

[BHK+16] Andreas Björklund, Thore Husfeldt, Petteri Kaski, Mikko Koivisto, Jesper Nederlof, and Pekka Parviainen. Fast zeta transforms for lattices with few irreducibles. *ACM Transactions on Algorithms*, 12(1):4:1–4:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bjorklund:2012:TSP

[BHKK12] Andreas Björklund, Thore Husfeldt, Petteri Kaski, and Mikko Koivisto. The traveling salesman problem in bounded degree graphs. *ACM Transactions on Algorithms*, 8(2):18:1–18:??, April 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Butman:2010:OPM

[BHLR10] Ayelet Butman, Danny Hermelin, Moshe Lewenstein, and Dror Rawitz. Optimization problems in multiple-interval graphs. *ACM Transactions on Algorithms*, 6(2):40:1–40:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Barbay:2011:SIS

[BHMS11] Jérémy Barbay, Meng He, J. Ian Munro, and Srinivasa Rao Satti. Succinct indexes for strings, binary relations and multilabeled

trees. *ACM Transactions on Algorithms*, 7(4):52:1–52:??, September 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Blum:2019:SAG

[BHPR19] Avrim Blum, Sariel Har-Peled, and Benjamin Raichel. Sparse approximation via generating point sets. *ACM Transactions on Algorithms*, 15(3):1–16, July 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3302249`.

Beame:2020:EEI

[BHPR+20] Paul Beame, Sariel Har-Peled, Sivaramakrishnan Natarajan Ramamoorthy, Cyrus Rashtchian, and Makrand Sinha. Edge estimation with independent set oracles. *ACM Transactions on Algorithms*, 16(4):52:1–52:27, September 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3404867`.

Berenbrink:2014:DSL

[BHS14] Petra Berenbrink, Martin Hoefer, and Thomas Sauerwald. Distributed selfish load balancing on networks. *ACM Transactions on Algorithms*, 11(1):2:1–2:??, August 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Balcan:2020:CCU

[BHW20] Maria-Florina Balcan, Nika Haghtalab, and Colin White. k-center clustering under perturbation resilience. *ACM Transactions on Algorithms*, 16(2):22:1–22:39, April 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3381424`.

Bateni:2013:SSP

[BHZ13] Mohammadhossein Bateni, Mohammadtaghi Hajiaghayi, and Morteza Zadimoghaddam. Submodular secretary problem and extensions. *ACM Transactions on Algorithms*, 9(4):32:1–32:??, September 2013. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bienkowski:2018:DOS

[BJKK18] Marcin Bienkowski, Tomasz Jurdzinski, Mirosław Korzeniowski, and Dariusz R. Kowalski. Distributed online and stochastic queueing on a multiple access channel. *ACM Transactions on*

Algorithms, 14(2):21:1–21:??, June 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Borodin:2017:MSD

[BJLY17] Allan Borodin, Aadhar Jain, Hyun Chul Lee, and Yuli Ye. Max-sum diversification, monotone submodular functions, and dynamic updates. *ACM Transactions on Algorithms*, 13(3):41:1–41:??, August 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Barbay:2008:ARA

[BK08] Jérémy Barbay and Claire Kenyon. Alternation and redundancy analysis of the intersection problem. *ACM Transactions on Algorithms*, 4(1):4:1–4:??, March 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Borradaile:2016:TEC

[BK16] Glencora Borradaile and Philip Klein. The two-edge connectivity survivable-network design problem in planar graphs. *ACM Transactions on Algorithms*, 12(3):30:1–30:??, June 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Boehmer:2024:CFF

[BK24] Niclas Boehmer and Tomohiro Koana. The complexity of finding fair many-to-one matchings. *ACM Transactions on Algorithms*, 20(2):17:1–17:??, April 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3649220`.

Bjorklund:2017:CTS

[BKK17] Andreas Björklund, Petteri Kaski, and Lukasz Kowalik. Counting thin subgraphs via packings faster than meet-in-the-middle time. *ACM Transactions on Algorithms*, 13(4):48:1–48:??, December 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Berenbrink:2019:IAD

[BKK+19] Petra Berenbrink, Ralf Klasing, Adrian Kosowski, Frederik Mallmann-Trenn, and Przemysław Uznański. Improved analysis of deterministic load-balancing schemes. *ACM Transactions on Algorithms*, 15(1):1–22, January 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3282435`.

Becchetti:2007:SCM

[BKLP07] L. Becchetti, J. Könemann, S. Leonardi, and M. Páal. Sharing the cost more efficiently: Improved approximation for multicommodity rent-or-buy. *ACM Transactions on Algorithms*, 3(2): 23:1–23:??, May 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Borradaile:2009:ASS

[BKM09a] Glencora Borradaile, Philip Klein, and Claire Mathieu. An $O(n \log n)$ approximation scheme for Steiner tree in planar graphs. *ACM Transactions on Algorithms*, 5(3):31:1–31:??, July 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Borradaile:2009:LAS

[BKM09b] Glencora Borradaile, Philip Klein, and Claire Mathieu. An $O(n \log n)$ approximation scheme for Steiner tree in planar graphs. *ACM Transactions on Algorithms*, 5(3):31:1–31:??, July 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Borradaile:2015:PTA

[BKM15] Glencora Borradaile, Philip N. Klein, and Claire Mathieu. A polynomial-time approximation scheme for Euclidean Steiner forest. *ACM Transactions on Algorithms*, 11(3):19:1–19:??, January 2015. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Baswana:2010:ASS

[BKMP10] Surender Baswana, Telikepalli Kavitha, Kurt Mehlhorn, and Seth Pettie. Additive spanners and (α, β)-spanners. *ACM Transactions on Algorithms*, 7(1):5:1–5:??, November 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bonifaci:2011:MFT

[BKMSS11] Vincenzo Bonifaci, Peter Korteweg, Alberto Marchetti-Spaccamela, and Leen Stougie. Minimizing flow time in the wireless gathering problem. *ACM Transactions on Algorithms*, 7(3):33:1–33:??, July 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Berger:2020:TSO

[BKMV20] André Berger, László Kozma, Matthias Mnich, and Roland Vincze. Time- and space-optimal algorithm for the many-visits TSP. *ACM Transactions on Algorithms*, 16(3):35:1–35:22, June 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3382038`.

Bansal:2014:BSA

[BKN14] Nikhil Bansal, Ravishankar Krishnaswamy, and Viswanath Nagarajan. Better scalable algorithms for broadcast scheduling. *ACM Transactions on Algorithms*, 11(1):3:1–3:??, August 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bringmann:2021:DFD

[BKN21] Karl Bringmann, Marvin KüNnemann, and André Nusser. Discrete Fréchet distance under translation: Conditional hardness and an improved algorithm. *ACM Transactions on Algorithms*, 17(3):25:1–25:42, August 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3460656`.

Baswana:2012:FDR

[BKS12] Surender Baswana, Sumeet Khurana, and Soumojit Sarkar. Fully dynamic randomized algorithms for graph spanners. *ACM Transactions on Algorithms*, 8(4):35:1–35:??, September 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Blaser:2008:NAA

[Blä08] Markus Bläser. A new approximation algorithm for the asymmetric TSP with triangle inequality. *ACM Transactions on Algorithms*, 4(4):47:1–47:??, August 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Blasiok:2020:OST

[Bła20] Jarosław Błasiok. Optimal streaming and tracking distinct elements with high probability. *ACM Transactions on Algorithms*, 16(1):3:1–3:28, January 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3309193`.

Bandyapadhyay:2024:TCD

[BLL+24] Sayan Bandyapadhyay, William Lochet, Daniel Lokshtanov, Saket Saurabh, and Jie Xue. True contraction decomposition

and almost ETH-tight bipartization for unit-disk graphs. *ACM Transactions on Algorithms*, 20(3):20:1–20:??, July 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3656042`.

Biedl:2013:MOP

[BLPS13] Therese Biedl, Anna Lubiw, Mark Petrick, and Michael Spriggs. Morphing orthogonal planar graph drawings. *ACM Transactions on Algorithms*, 9(4):29:1–29:??, September 2013. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Brandstadt:2008:SLT

[BLS08] Andreas Brandstädt, Van Bang Le, and R. Sritharan. Structure and linear-time recognition of 4-leaf powers. *ACM Transactions on Algorithms*, 5(1):11:1–11:??, November 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Birmpilis:2023:CAC

[BLS23] Stavros Birmpilis, George Labahn, and Arne Storjohann. A cubic algorithm for computing the Hermite normal form of a nonsingular integer matrix. *ACM Transactions on Algorithms*, 19 (4):37:1–37:??, October 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3617996`.

Brodal:2025:SFH

[BLT25] Gerth Stølting Brodal, George Lagogiannis, and Robert E. Tarjan. Strict Fibonacci heaps. *ACM Transactions on Algorithms*, 21 (2):15:1–15:??, April 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bruss:2009:IAI

[BLW09] F. Thomas Bruss, Guy Louchard, and Mark Daniel Ward. Inverse auctions: Injecting unique minima into random sets. *ACM Transactions on Algorithms*, 6(1):21:1–21:??, December 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Boyar:2008:RWO

[BM08] Joan Boyar and Paul Medvedev. The relative worst order ratio applied to seat reservation. *ACM Transactions on Algorithms*, 4(4):48:1–48:??, August 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bonnet:2020:PHA

[BM20] Édouard Bonnet and Tillmann Miltzow. Parameterized hardness of art gallery problems. *ACM Transactions on Algorithms*, 16 (4):42:1–42:23, September 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3398684`.

Berman:2022:TTI

[BMR22] Piotr Berman, Meiram Murzabulatov, and Sofya Raskhodnikova. Tolerant testers of image properties. *ACM Transactions on Algorithms*, 18(4):37:1–37:??, October 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3531527`.

Becchetti:2009:LCA

[BMSV+09] Luca Becchetti, Alberto Marchetti-Spaccamela, Andrea Vitaletti, Peter Korteweg, Martin Skutella, and Leen Stougie. Latency-constrained aggregation in sensor networks. *ACM Transactions on Algorithms*, 6(1):13:1–13:??, December 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Belazzougui:2014:AIC

[BN14] Djamal Belazzougui and Gonzalo Navarro. Alphabet-independent compressed text indexing. *ACM Transactions on Algorithms*, 10 (4):23:1–23:??, August 2014. ISSN 1549-6325 (print), 1549-6333 (electronic).

Belazzougui:2015:OLU

[BN15] Djamal Belazzougui and Gonzalo Navarro. Optimal lower and upper bounds for representing sequences. *ACM Transactions on Algorithms*, 11(4):31:1–31:??, June 2015. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bar-Noy:2008:DCF

[BNCS08] Amotz Bar-Noy, Panagiotis Cheilaris, and Shakhar Smorodinsky. Deterministic conflict-free coloring for intervals: From offline to online. *ACM Transactions on Algorithms*, 4(4):44:1–44:18, August 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bar-Noy:2009:TMR

[BNGK+09] Amotz Bar-Noy, Sudipto Guha, Yoav Katz, Joseph (Seffi) Naor, Baruch Schieber, and Hadas Shachnai. Throughput maximization of real-time scheduling with batching. *ACM Transactions on Algorithms*, 5(2):18:1–18:??, March 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bar-Noy:2007:WSR

[BNLT07] Amotz Bar-Noy, Richard E. Ladner, and Tami Tamir. Windows scheduling as a restricted version of bin packing. *ACM Transactions on Algorithms*, 3(3):28:1–28:??, August 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bun:2019:HHS

[BNS19] Mark Bun, Jelani Nelson, and Uri Stemmer. Heavy hitters and the structure of local privacy. *ACM Transactions on Algorithms*, 15(4):1–40, October 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3344722`.

Bar-On:2020:TBO

[BODD+20] Achiya Bar-On, Itai Dinur, Orr Dunkelman, Rani Hod, Nathan Keller, Eyal Ronen, and Adi Shamir. Tight bounds on online checkpointing algorithms. *ACM Transactions on Algorithms*, 16 (3):31:1–31:22, June 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3379543`.

Bonnet:2022:VSU

[Bon22] Édouard Bonnet. 4 vs 7 sparse undirected unweighted diameter is SETH-hard at time $n^{4/3}$. *ACM Transactions on Algorithms*, 18(2):11:1–11:14, April 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3494540`.

Berry:2009:LTA

[BPGN09] Vincent Berry, Christophe Paul, Sylvain Guillemot, and François Nicolas. Linear time 3-approximation for the MAST problem. *ACM Transactions on Algorithms*, 5(2):23:1–23:??, March 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Barbay:2018:ACS

[BPL18] Jérémy Barbay and Pablo Pérez-Lantero. Adaptive computation of the swap-insert correction distance. *ACM Transactions on Algorithms*, 14(4):1–16, October 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3232057`.

Byrka:2017:IAM

[BPR+17] Jaroslaw Byrka, Thomas Pensyl, Bartosz Rybicki, Aravind Srinivasan, and Khoa Trinh. An improved approximation for k-median and positive correlation in budgeted optimization. *ACM Transactions on Algorithms*, 13(2):23:1–23:??, May 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Berman:2014:AAM

[BR14] Piotr Berman and Sofya Raskhodnikova. Approximation algorithms for min-max generalization problems. *ACM Transactions on Algorithms*, 11(1):5:1–5:??, August 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Blasius:2016:SPO

[BR16] Thomas Bläsius and Ignaz Rutter. Simultaneous PQ-ordering with applications to constrained embedding problems. *ACM Transactions on Algorithms*, 12(2):16:1–16:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bressan:2023:ENO

[Bre23] Marco Bressan. Efficient and near-optimal algorithms for sampling small connected subgraphs. *ACM Transactions on Algorithms*, 19(3):26:1–26:??, July 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3596495`.

Binkele-Raible:2012:KPN

[BRFF+12] Daniel Binkele-Raible, Henning Fernau, Fedor V. Fomin, Daniel Lokshtanov, Saket Saurabh, and Yngve Villanger. Kernel(s) for problems with no kernel: On out-trees with many leaves. *ACM Transactions on Algorithms*, 8(4):38:1–38:??, September 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Blasius:2016:OOG

[BRW16] Thomas Bläsius, Ignaz Rutter, and Dorothea Wagner. Optimal orthogonal graph drawing with convex bend costs. *ACM Transac-*

tions on Algorithms, 12(3):33:1–33:??, June 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Baswana:2006:ADO

[BS06a] Surender Baswana and Sandeep Sen. Approximate distance oracles for unweighted graphs in expected $O(n^2)$ time. *ACM Transactions on Algorithms*, 2(4):557–577, October 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Berend:2006:CMP

[BS06b] Daniel Berend and Amir Sapir. The cyclic multi-peg Tower of Hanoi. *ACM Transactions on Algorithms*, 2(3):297–317, July 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bobier:2010:FAG

[BS10] Bruce Bobier and Joe Sawada. A fast algorithm to generate open meandric systems and meanders. *ACM Transactions on Algorithms*, 6(2):42:1–42:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Boissonnat:2018:ERF

[BS18] Jean-Daniel Boissonnat and Karthik C. S. An efficient representation for filtrations of simplicial complexes. *ACM Transactions on Algorithms*, 14(4):1–21, October 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3229146`.

Brubach:2020:AAC

[BSSX20] Brian Brubach, Karthik A. Sankararaman, Aravind Srinivasan, and Pan Xu. Algorithms to approximate column-sparse packing problems. *ACM Transactions on Algorithms*, 16(1):10:1–10:32, January 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3355400`.

Berend:2008:CDG

[BST08] Daniel Berend, Steven S. Skiena, and Yochai Twitto. Combinatorial dominance guarantees for problems with infeasible solutions. *ACM Transactions on Algorithms*, 5(1):8:1–8:??, November 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Borradaile:2015:MSC

[BSWN15] Glencora Borradaile, Piotr Sankowski, and Christian Wulff-Nilsen. Min *st*-cut oracle for planar graphs with near-linear preprocessing time. *ACM Transactions on Algorithms*, 11(3):16:1–16:??, January 2015. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Beretta:2024:BSE

[BT24] Lorenzo Beretta and Jakub Tetek. Better sum estimation via weighted sampling. *ACM Transactions on Algorithms*, 20 (3):27:1–27:??, July 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3650030`.

Bhore:2025:OES

[BT25] Sujoy Bhore and Csaba D. Tóth. Online Euclidean spanners. *ACM Transactions on Algorithms*, 21(1):5:1–5:??, January 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Buchsbaum:2008:GE

[Buc08] Adam L. Buchsbaum. Guest editorial. *ACM Transactions on Algorithms*, 4(2):16:1–16:??, May 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Bodwin:2021:BDP

[BW21] Greg Bodwin and Virginia Vassilevska Williams. Better distance preservers and additive spanners. *ACM Transactions on Algorithms*, 17(4):36:1–36:24, October 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3490147`.

Cabello:2010:FSC

[Cab10] Sergio Cabello. Finding shortest contractible and shortest separating cycles in embedded graphs. *ACM Transactions on Algorithms*, 6(2):24:1–24:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Cabello:2019:SAD

[Cab19] Sergio Cabello. Subquadratic algorithms for the diameter and the sum of pairwise distances in planar graphs. *ACM Transactions on Algorithms*, 15(2):1–38, May 2019. CODEN ???? ISSN 1549-6325

(print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3218821`.

Cabello:2022:CIG

[Cab22] Sergio Cabello. Computing the inverse geodesic length in planar graphs and graphs of bounded treewidth. *ACM Transactions on Algorithms*, 18(2):14:1–14:26, April 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3501303`.

Carlsson:2010:FEC

[CAY10] John Gunnar Carlsson, Benjamin Armbruster, and Yinyu Ye. Finding equitable convex partitions of points in a polygon efficiently. *ACM Transactions on Algorithms*, 6(4):72:1–72:??, August 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Charron-Bost:2015:TCL

[CBFWW15] Bernadette Charron-Bost, Matthias Függer, Jennifer L. Welch, and Josef Widder. Time complexity of link reversal routing. *ACM Transactions on Algorithms*, 11(3):18:1–18:??, January 2015. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chakraborty:2025:NEB

[CC25] Diptarka Chakraborty and Keerti Choudhary. New extremal bounds for reachability and strong-connectivity preservers under failures. *ACM Transactions on Algorithms*, 21(2):21:1–21:??, April 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Cohen:2016:TBS

[CCDL16] Edith Cohen, Graham Cormode, Nick Duffield, and Carsten Lund. On the tradeoff between stability and fit. *ACM Transactions on Algorithms*, 13(1):7:1–7:??, December 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Caceres:2024:WHH

[CCG+24] Manuel Cáceres, Massimo Cairo, Andreas Grigorjew, Shahbaz Khan, Brendan Mumey, Romeo Rizzi, Alexandru I. Tomescu, and Lucia Williams. Width helps and hinders splitting flows. *ACM Transactions on Algorithms*, 20(2):13:1–13:??, April 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3641820`.

Chitnis:2015:DSF

[CCHM15] Rajesh Chitnis, Marek Cygan, Mohammataghi Hajiaghayi, and Dániel Marx. Directed subset feedback vertex set is fixed-parameter tractable. *ACM Transactions on Algorithms*, 11(4): 28:1–28:??, June 2015. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chekuri:2012:SMP

[CCHP12] Chandra Chekuri, Kenneth L. Clarkson, and Sariel Har-Peled. On the set multicover problem in geometric settings. *ACM Transactions on Algorithms*, 9(1):9:1–9:??, December 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chee:2019:DCW

[CCKN19] Yeow Meng Chee, Johan Chrisnata, Han Mao Kiah, and Tuan Thanh Nguyen. Deciding the confusability of words under tandem repeats in linear time. *ACM Transactions on Algorithms*, 15(3):1–22, July 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3338514`.

Calinescu:2011:IAA

[CCKR11] Gruia Calinescu, Amit Chakrabarti, Howard Karloff, and Yuval Rabani. An improved approximation algorithm for resource allocation. *ACM Transactions on Algorithms*, 7(4):48:1–48:??, September 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chan:2009:OTE

[CCL+09] Ho-Leung Chan, Joseph Wun-Tat Chan, Tak-Wah Lam, Lap-Kei Lee, Kin-Sum Mak, and Prudence W. H. Wong. Optimizing throughput and energy in online deadline scheduling. *ACM Transactions on Algorithms*, 6(1):10:1–10:??, December 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chakrabarti:2010:NOA

[CCM10] Amit Chakrabarti, Graham Cormode, and Andrew Mcgregor. A near-optimal algorithm for estimating the entropy of a stream. *ACM Transactions on Algorithms*, 6(3):51:1–51:??, June 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chakrabarti:2014:ADS

[CCMT14] Amit Chakrabarti, Graham Cormode, Andrew Mcgregor, and Justin Thaler. Annotations in data streams. *ACM Transactions on Algorithms*, 11(1):7:1–7:??, August 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chan:2018:ANW

[CCW18] T.-H. Hubert Chan, Fei Chen, and Xiaowei Wu. Analyzing node-weighted oblivious matching problem via continuous LP with jump discontinuity. *ACM Transactions on Algorithms*, 14(2): 12:1–12:??, June 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Cohavi:2017:FSS

[CD17] Keren Cohavi and Shahar Dobzinski. Faster and simpler sketches of valuation functions. *ACM Transactions on Algorithms*, 13(3): 30:1–30:??, August 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Conradi:2024:CSF

[CD24] Jacobus Conradi and Anne Driemel. On computing the k-shortcut Fréchet distance. *ACM Transactions on Algorithms*, 20 (4):29:1–29:??, October 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3663762`.

Chalopin:2015:MSP

[CDD+15] Jérémie Chalopin, Shantanu Das, Yann Disser, Matús Mihalák, and Peter Widmayer. Mapping simple polygons: The power of telling convex from reflex. *ACM Transactions on Algorithms*, 11 (4):33:1–33:??, June 2015. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Cabello:2010:FOT

[CDEM10] Sergio Cabello, Matt Devos, Jeff Erickson, and Bojan Mohar. Finding one tight cycle. *ACM Transactions on Algorithms*, 6(4): 61:1–61:??, August 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Condon:2009:ADA

[CDHW09] Anne Condon, Amol Deshpande, Lisa Hellerstein, and Ning Wu. Algorithms for distributional and adversarial pipelined filter or-

dering problems. *ACM Transactions on Algorithms*, 5(2):24:1–24:??, March 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Collette:2012:ETP

[CDI+12] Sébastien Collette, Vida Dujmović, John Iacono, Stefan Langerman, and Pat Morin. Entropy, triangulation, and point location in planar subdivisions. *ACM Transactions on Algorithms*, 8(3): 29:1–29:??, July 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chang:2023:NOT

[CDJ23] Yi-Jun Chang, Ran Duan, and Shunhua Jiang. Near-optimal time-energy tradeoffs for deterministic leader election. *ACM Transactions on Algorithms*, 19(4):33:1–33:??, October 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3614429`.

Chakrabarty:2017:PTP

[CDJS17] Deeparnab Chakrabarty, Kashyap Dixit, Madhav Jha, and C. Seshadhri. Property testing on product distributions: Optimal testers for bounded derivative properties. *ACM Transactions on Algorithms*, 13(2):20:1–20:??, May 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chlamtac:2020:ASD

[CDKL20] Eden Chlamtác, Michael Dinitz, Guy Kortsarz, and Bundit Laekhanukit. Approximating spanners and directed Steiner forest: Upper and lower bounds. *ACM Transactions on Algorithms*, 16(3):33:1–33:31, June 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3381451`.

Cygan:2016:PHC

[CDL+16] Marek Cygan, Holger Dell, Daniel Lokshtanov, Dániel Marx, Jesper Nederlof, Yoshio Okamoto, Ramamohan Paturi, Saket Saurabh, and Magnus Wahlström. On problems as hard as CNF-SAT. *ACM Transactions on Algorithms*, 12(3):41:1–41:??, June 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chang:2022:TCS

[CdM22] Hsien-Chih Chang and Arnaud de Mesmay. Tightening curves on surfaces monotonically with applications. *ACM Transactions on Algorithms*, 18(4):36:1–36:??, October 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3558097`.

Coudert:2019:FPF

[CDP19] David Coudert, Guillaume Ducoffe, and Alexandru Popa. Fully polynomial FPT algorithms for some classes of bounded clique-width graphs. *ACM Transactions on Algorithms*, 15(3):1–57, July 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3310228`.

Czumaj:2021:GSD

[CDP21] Artur Czumaj, Peter Davies, and Merav Parter. Graph sparsification for derandomizing massively parallel computation with low space. *ACM Transactions on Algorithms*, 17(2):16:1–16:27, June 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3451992`.

Chang:2011:BSA

[CEGK11] Jessica Chang, Thomas Erlebach, Renars Gailis, and Samir Khuller. Broadcast scheduling: Algorithms and complexity. *ACM Transactions on Algorithms*, 7(4):47:1–47:??, September 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chekuri:2011:SCP

[CEGS11] Chandra Chekuri, Guy Even, Anupam Gupta, and Danny Segev. Set connectivity problems in undirected graphs and the directed Steiner network problem. *ACM Transactions on Algorithms*, 7(2):18:1–18:??, March 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Christiansen:2021:OTD

[CEK+21] Anders Roy Christiansen, Mikko Berggren Ettienne, Tomasz Kociumaka, Gonzalo Navarro, and Nicola Prezza. Optimal-time dictionary-compressed indexes. *ACM Transactions on Algorithms*, 17(1):8:1–8:39, January 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3426473`.

Chekuri:2021:NWN

[CEV21] Chandra Chekuri, Alina Ene, and Ali Vakilian. Node-weighted network design in planar and minor-closed families of graphs. *ACM Transactions on Algorithms*, 17(2):14:1–14:25, June 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3447959`.

Cechlarova:2005:GSR

[CF05] Katarína Cechlárová and Tamás Fleiner. On a generalization of the stable roommates problem. *ACM Transactions on Algorithms*, 1(1):143–156, July 2005. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Cseh:2020:CCC

[CF20] Ágnes Cseh and Tamás Fleiner. The complexity of cake cutting with unequal shares. *ACM Transactions on Algorithms*, 16(3): 29:1–29:21, June 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3380742`.

Chern:2007:PCR

[CFH07] Hua-Huai Chern, Michael Fuchs, and Hsien-Kuei Hwang. Phase changes in random point quadtrees. *ACM Transactions on Algorithms*, 3(2):12:1–12:??, May 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Cohen:2008:LGG

[CFI+08] Reuven Cohen, Pierre Fraigniaud, David Ilcinkas, Amos Korman, and David Peleg. Label-guided graph exploration by a finite automaton. *ACM Transactions on Algorithms*, 4(4):42:1–42:??, August 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Carmo:2007:QPI

[CFK+07] Renato Carmo, Tomás Feder, Yoshiharu Kohayakawa, Eduardo Laber, Rajeev Motwani, Liadan O'Callaghan, Rina Panigrahy, and Dilys Thomas. Querying priced information in databases: The conjunctive case. *ACM Transactions on Algorithms*, 3(1):??, February 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ciriani:2007:DSS

[CFLM07] Valentina Ciriani, Paolo Ferragina, Fabrizio Luccio, and S. Muthukrishnan. A data structure for a sequence of string accesses in external memory. *ACM Transactions on Algorithms*, 3(1):??, February 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chitnis:2021:PAA

[CFM21] Rajesh Chitnis, Andreas Emil Feldmann, and Pasin Manurangsi. Parameterized approximation algorithms for bidirected Steiner network problems. *ACM Transactions on Algorithms*, 17(2):12:1–12:68, June 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3447584`.

Coppersmith:2010:OWN

[CFR10] Don Coppersmith, Lisa K. Fleischer, and Atri Rurda. Ordering by weighted number of wins gives a good ranking for weighted tournaments. *ACM Transactions on Algorithms*, 6(3):55:1–55:??, June 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Cao:2022:EAT

[CFRY22] Nairen Cao, Jeremy T. Fineman, Katina Russell, and Eugene Yang. I/O-efficient algorithms for topological sort and related problems. *ACM Transactions on Algorithms*, 18(1):5:1–5:24, January 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3418356`.

Cygan:2017:TKB

[CGH17] Marek Cygan, Fabrizio Grandoni, and Danny Hermelin. Tight kernel bounds for problems on graphs with small degeneracy. *ACM Transactions on Algorithms*, 13(3):43:1–43:??, August 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Cabello:2011:GCF

[CGK+11] Sergio Cabello, Panos Giannopoulos, Christian Knauer, Dániel Marx, and Günter Rote. Geometric clustering: Fixed-parameter tractability and lower bounds with respect to the dimension. *ACM Transactions on Algorithms*, 7(4):43:1–43:??, September 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chakrabarty:2020:NUC

[CGK20] Deeparnab Chakrabarty, Prachi Goyal, and Ravishankar Krishnaswamy. The non-uniform k-center problem. *ACM Transactions on Algorithms*, 16(4):46:1–46:19, September 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3392720`.

Chrobak:2022:SAO

[CGMY22] Marek Chrobak, Mordecai Golin, J. Ian Munro, and Neal E. Young. A simple algorithm for optimal search trees with two-way comparisons. *ACM Transactions on Algorithms*, 18(1):2:1–2:11, January 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3477910`.

Chan:2016:HRD

[CGMZ16] T.-H. Hubert Chan, Anupam Gupta, Bruce M. Maggs, and Shuheng Zhou. On hierarchical routing in doubling metrics. *ACM Transactions on Algorithms*, 12(4):55:1–55:??, September 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chuzhoy:2008:ASN

[CGNS08] Julia Chuzhoy, Anupam Gupta, Joseph (Seffi) Naor, and Amitabh Sinha. On the approximability of some network design problems. *ACM Transactions on Algorithms*, 4(2):23:1–23:??, May 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chawla:2008:ENT

[CGR08] Shuchi Chawla, Anupam Gupta, and Harald Räcke. Embeddings of negative-type metrics and an improved approximation to generalized sparsest cut. *ACM Transactions on Algorithms*, 4(2):22:1–22:??, May 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chan:2010:CBT

[Cha10a] Timothy M. Chan. Comparison-based time-space lower bounds for selection. *ACM Transactions on Algorithms*, 6(2):26:1–26:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chan:2010:BSP

[Cha10b] Timothy M. Chan. On the bichromatic k-set problem. *ACM Transactions on Algorithms*, 6(4):62:1–62:??, August 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chan:2012:APS

[Cha12] Timothy M. Chan. All-pairs shortest paths for unweighted undirected graphs in $o(mn)$ time. *ACM Transactions on Algorithms*, 8(4):34:1–34:??, September 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chan:2013:PPS

[Cha13] Timothy M. Chan. Persistent predecessor search and orthogonal point location on the word RAM. *ACM Transactions on Algorithms*, 9(3):22:1–22:??, June 2013. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

CHAN:2018:IDA

[CHA18] Timothy M. CHAN. Improved deterministic algorithms for linear programming in low dimensions. *ACM Transactions on Algorithms*, 14(3):30:1–30:??, July 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3155312`.

Chan:2020:MLF

[Cha20] Timothy M. Chan. More logarithmic-factor speedups for 3SUM, (median,+)-convolution, and some geometric 3SUM-hard problems. *ACM Transactions on Algorithms*, 16(1):7:1–7:23, January 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3363541`.

Censor-Hillel:2017:TBV

[CHGG+17] Keren Censor-Hillel, Mohsen Ghaffari, George Giakkoupis, Bernhard Haeupler, and Fabian Kuhn. Tight bounds on vertex connectivity under sampling. *ACM Transactions on Algorithms*, 13 (2):19:1–19:??, May 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chan:2018:OSM

[CHJ+18] T.-H. Hubert Chan, Zhiyi Huang, Shaofeng H.-C. Jiang, Ning Kang, and Zhihao Gavin Tang. Online submodular maximization with free disposal. *ACM Transactions on Algorithms*, 14

(4):1–29, October 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3242770`.

Chang:2020:DEC

[CHL+20] Yi-Jun Chang, Qizheng He, Wenzheng Li, Seth Pettie, and Jara Uitto. Distributed edge coloring and a special case of the constructive Lovász local lemma. *ACM Transactions on Algorithms*, 16(1):8:1–8:51, January 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3365004`.

Chan:2007:CID

[CHLS07] Ho-Leung Chan, Wing-Kai Hon, Tak-Wah Lam, and Kunihiko Sadakane. Compressed indexes for dynamic text collections. *ACM Transactions on Algorithms*, 3(2):21:1–21:??, May 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Cole:2014:TDP

[CHLT14] Richard Cole, Carmit Hazay, Moshe Lewenstein, and Dekel Tsur. Two-dimensional parameterized matching. *ACM Transactions on Algorithms*, 11(2):12:1–12:??, October 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Cheraghchi:2017:NOD

[CI17] Mahdi Cheraghchi and Piotr Indyk. Nearly optimal deterministic algorithm for sparse Walsh–Hadamard transform. *ACM Transactions on Algorithms*, 13(3):34:1–34:??, August 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chan:2018:RCD

[CJ18] T.-H. Hubert Chan and Shaofeng H.-C. Jiang. Reducing curse of dimensionality: Improved PTAS for TSP (with neighborhoods) in doubling metrics. *ACM Transactions on Algorithms*, 14(1):9:1–9:??, January 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chan:2020:UPP

[CJJ20] T.-H. Hubert Chan, Haotian Jiang, and Shaofeng H.-C. Jiang. A unified PTAS for prize collecting TSP and Steiner tree problem in doubling metrics. *ACM Transactions on Algorithms*, 16(2):24:1–24:23, April 2020. CODEN ???? ISSN 1549-6325 (print),

1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3378571`.

Czumaj:2024:SAG

[CJKV24] Artur Czumaj, Shaofeng H.-C. Jiang, Robert Krauthgamer, and Pavel Veselý. Streaming algorithms for geometric Steiner forest. *ACM Transactions on Algorithms*, 20(4):28:1–28:??, October 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3663666`.

Cheng:2017:FSS

[CJL17] Siu-Wing Cheng, Jiongxin Jin, and Man-Kit Lau. A fast and simple surface reconstruction algorithm. *ACM Transactions on Algorithms*, 13(2):27:1–27:??, May 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chrobak:2007:IOA

[CJST07] Marek Chrobak, Wojciech Jawor, Jiří Sgall, and Tomáš Tichý. Improved online algorithms for buffer management in QoS switches. *ACM Transactions on Algorithms*, 3(4):50:1–50:??, November 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chekuri:2007:EDP

[CK07] Chandra Chekuri and Sanjeev Khanna. Edge-disjoint paths revisited. *ACM Transactions on Algorithms*, 3(4):46:1–46:??, November 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Caragiannis:2010:TLA

[CKK10a] Ioannis Caragiannis, Christos Kaklamanis, and Panagiotis Kanellopoulos. Taxes for linear atomic congestion games. *ACM Transactions on Algorithms*, 7(1):13:1–13:??, November 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Christodoulou:2010:MDF

[CKK10b] George Christodoulou, Elias Koutsoupias, and Annamária Kovács. Mechanism design for fractional scheduling on unrelated machines. *ACM Transactions on Algorithms*, 6(2):38:1–38:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Carr:2009:CCN

[CKL+09] Robert D. Carr, Goran Konjevod, Greg Little, Venkatesh Natarajan, and Ojas Parekh. Compacting cuts: a new linear formulation for minimum cut. *ACM Transactions on Algorithms*, 5(3): 27:1–27:??, July 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Coester:2021:ISP

[CKL21a] Christian Coester, Elias Koutsoupias, and Philip Lazos. The infinite server problem. *ACM Transactions on Algorithms*, 17 (3):20:1–20:23, August 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3456632`.

Cygan:2021:RCM

[CKL+21b] Marek Cygan, Paweł Komosa, Daniel Lokshtanov, Marcin Pilipczuk, Michał Pilipczuk, Saket Saurabh, and Magnus Wahlström. Randomized contractions meet lean decompositions. *ACM Transactions on Algorithms*, 17(1):6:1–6:30, January 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3426738`.

Chalermsook:2024:ASC

[CKM+24] Parinya Chalermsook, Matthias Kaul, Matthias Mnich, Joachim Spoerhase, Sumedha Uniyal, and Daniel Vaz. Approximating sparsest cut in low-treewidth graphs via combinatorial diameter. *ACM Transactions on Algorithms*, 20(1):6:1–6:??, January 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3632623`.

Chekuri:2012:IAO

[CKP12] Chandra Chekuri, Nitish Korula, and Martin Pál. Improved algorithms for orienteering and related problems. *ACM Transactions on Algorithms*, 8(3):23:1–23:??, July 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chang:2019:ESE

[CKP+19] Yi-Jun Chang, Tsvi Kopelowitz, Seth Pettie, Ruosong Wang, and Wei Zhan. Exponential separations in the energy complexity of leader election. *ACM Transactions on Algorithms*, 15(4): 1–31, October 2019. CODEN ???? ISSN 1549-6325 (print),

1549-6333 (electronic). URL https://dl.acm.org/doi/abs/10.1145/3341111.

Chlebus:2012:AQM

[CKR12] Bogdan S. Chlebus, Dariusz R. Kowalski, and Mariusz A. Rokicki. Adversarial queuing on the multiple access channel. *ACM Transactions on Algorithms*, 8(1):5:1–5:??, January 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chrobak:2005:GAM

[CKS05] Marek Chrobak, Petr Kolman, and Jiří Sgall. The greedy algorithm for the minimum common string partition problem. *ACM Transactions on Algorithms*, 1(2):350–366, October 2005. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chen:2009:OCF

[CKS09] Ke Chen, Haim Kaplan, and Micha Sharir. Online conflict-free coloring for halfplanes, congruent disks, and axis-parallel rectangles. *ACM Transactions on Algorithms*, 5(2):16:1–16:??, March 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Cygan:2019:ITT

[CKS19] Marek Cygan, Łukasz Kowalik, and Arkadiusz Socała. Improving TSP tours using dynamic programming over tree decompositions. *ACM Transactions on Algorithms*, 15(4):1–19, October 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL https://dl.acm.org/doi/abs/10.1145/3341730.

Cheng:2022:DDS

[CL22] Siu-Wing Cheng and Man-Kit Lau. Dynamic distribution-sensitive point location. *ACM Transactions on Algorithms*, 18 (1):3:1–3:63, January 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL https://dl.acm.org/doi/10.1145/3487403.

Clarkson:2010:CSG

[Cla10] Kenneth L. Clarkson. Coresets, sparse greedy approximation, and the Frank–Wolfe algorithm. *ACM Transactions on Algorithms*, 6(4):63:1–63:??, August 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chen:2012:IEC

[CLL+12] Jianer Chen, Yang Liu, Songjian Lu, Sing-Hoi Sze, and Fenghui Zhang. Iterative expansion and color coding: An improved algorithm for 3D-matching. *ACM Transactions on Algorithms*, 8(1): 6:1–6:??, January 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Cheung:2014:AAL

[CLL14] Ho Yee Cheung, Lap Chi Lau, and Kai Man Leung. Algebraic algorithms for linear matroid parity problems. *ACM Transactions on Algorithms*, 10(3):10:1–10:??, June 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chen:2008:MCI

[CLLJ08] Xin Chen, Lan Liu, Zheng Liu, and Tao Jiang. On the minimum common integer partition problem. *ACM Transactions on Algorithms*, 5(1):12:1–12:??, November 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Cheriyan:2014:ARS

[CLNV14] Joseph Cheriyan, Bundit Laekhanukit, Guyslain Naves, and Adrian Vetta. Approximating rooted Steiner networks. *ACM Transactions on Algorithms*, 11(2):8:1–8:??, October 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chan:2022:NDE

[CLS+22] Pak Hay Chan, Lap Chi Lau, Aaron Schild, Sam Chiu-Wai Wong, and Hong Zhou. Network design for $s - t$ effective resistance. *ACM Transactions on Algorithms*, 18(3):22:1–22:??, July 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3522588`.

Cormode:2007:SED

[CM07] Graham Cormode and S. Muthukrishnan. The string edit distance matching problem with moves. *ACM Transactions on Algorithms*, 3(1):??, February 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Cao:2015:IDF

[CM15] Yixin Cao and Dániel Marx. Interval deletion is fixed-parameter tractable. *ACM Transactions on Algorithms*, 11(3):21:1–21:??,

January 2015. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Cairo:2019:ONA

[CMA+19] Massimo Cairo, Paul Medvedev, Nidia Obscura Acosta, Romeo Rizzi, and Alexandru I. Tomescu. An optimal $O(nm)$ algorithm for enumerating all walks common to all closed edge-covering walks of a graph. *ACM Transactions on Algorithms*, 15(4): 1–17, October 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3341731`.

Charikar:2009:NOA

[CMM09] Moses Charikar, Konstantin Makarychev, and Yury Makarychev. Near-optimal algorithms for maximum constraint satisfaction problems. *ACM Transactions on Algorithms*, 5(3):32:1–32:??, July 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Cardinal:2025:CGP

[CMM25] Jean Cardinal, Arturo Merino, and Torsten Mütze. Combinatorial generation via permutation languages. IV. Elimination trees. *ACM Transactions on Algorithms*, 21(1):13:1–13:??, January 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chandran:2008:IAO

[CMO+08] Nishanth Chandran, Ryan Moriarty, Rafail Ostrovsky, Omkant Pandey, Mohammad Ali Safari, and Amit Sahai. Improved algorithms for optimal embeddings. *ACM Transactions on Algorithms*, 4(4):45:1–45:14, August 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chan:2018:SSR

[CMR18] Timothy M. Chan, J. Ian Munro, and Venkatesh Raman. Selection and sorting in the "Restore" model. *ACM Transactions on Algorithms*, 14(2):11:1–11:??, June 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chekuri:2007:MDF

[CMS07] Chandra Chekuri, Marcelo Mydlarz, and F. Bruce Shepherd. Multicommodity demand flow in a tree and packing integer programs.

ACM Transactions on Algorithms, 3(3):27:1–27:??, August 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Charalampopoulos:2022:EDO

[CMT22] Panagiotis Charalampopoulos, Shay Mozes, and Benjamin Tebeka. Exact distance oracles for planar graphs with failing vertices. *ACM Transactions on Algorithms*, 18(2):18:1–18:23, April 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3511541`.

Cheng:2016:FAC

[CMV16] Siu-Wing Cheng, Liam Mencel, and Antoine Vigneron. A faster algorithm for computing straight skeletons. *ACM Transactions on Algorithms*, 12(3):44:1–44:??, June 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chuzhoy:2016:AAH

[CMVZ16] Julia Chuzhoy, Yury Makarychev, Aravindan Vijayaraghavan, and Yuan Zhou. Approximation algorithms and hardness of the k-route cut problem. *ACM Transactions on Algorithms*, 12(1): 2:1–2:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Cygan:2019:PEM

[CMWW19] Marek Cygan, Marcin Mucha, Karol Wegrzycki, and Michał Włodarczyk. On problems equivalent to $(\min, +)$-convolution. *ACM Transactions on Algorithms*, 15(1):1–25, January 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3293465`.

Cormode:2011:ADF

[CMY11] Graham Cormode, S. Muthukrishnan, and Ke Yi. Algorithms for distributed functional monitoring. *ACM Transactions on Algorithms*, 7(2):21:1–21:??, March 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chan:2014:FCC

[CN14] T.-H. Hubert Chan and Li Ning. Fast convergence for consensus in dynamic networks. *ACM Transactions on Algorithms*, 10(3): 15:1–15:??, June 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chakrabarty:2019:GCP

[CN19] Deeparnab Chakrabarty and Maryam Negahbani. Generalized center problems with outliers. *ACM Transactions on Algorithms*, 15(3):1–14, July 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3338513`.

Coppersmith:2011:OOG

[CNP+11] Don Coppersmith, Tomasz Nowicki, Giuseppe Paleologo, Charles Tresser, and Chai Wah Wu. The optimality of the online greedy algorithm in carpool and chairman assignment problems. *ACM Transactions on Algorithms*, 7(3):37:1–37:??, July 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Cygan:2022:SCP

[CNP+22] Marek Cygan, Jesper Nederlof, Marcin Pilipczuk, Michał Pilipczuk, Johan M. M. Van Rooij, and Jakub Onufry Wojtaszczyk. Solving connectivity problems parameterized by treewidth in single exponential time. *ACM Transactions on Algorithms*, 18(2):17:1–17:31, April 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3506707`.

Cohen:2018:SSF

[Coh18] Edith Cohen. Stream sampling framework and application for frequency cap statistics. *ACM Transactions on Algorithms*, 14 (4):1–40, October 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3234338`.

Cohen:2021:E

[Coh21] Edith Cohen. Editorial. *ACM Transactions on Algorithms*, 17(3):19e:1, August 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3462270`.

Cygan:2012:EFE

[CP12] Marek Cygan and Marcin Pilipczuk. Even faster exact bandwidth. *ACM Transactions on Algorithms*, 8(1):8:1–8:??, January 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Czyzowicz:2012:HMA

[CPL12] Jurek Czyzowicz, Andrzej Pelc, and Arnaud Labourel. How to meet asynchronously (almost) everywhere. *ACM Transactions on Algorithms*, 8(4):37:1–37:??, September 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chakaravarthy:2011:DTE

[CPR+11] Venkatesan T. Chakaravarthy, Vinayaka Pandit, Sambuddha Roy, Pranjal Awasthi, and Mukesh K. Mohania. Decision trees for entity identification: Approximation algorithms and hardness results. *ACM Transactions on Algorithms*, 7(2):15:1–15:??, March 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chowdhury:2018:COB

[CR18] Rezaul A. Chowdhury and Vijaya Ramachandran. Cache-oblivious buffer heap and cache-efficient computation of shortest paths in graphs. *ACM Transactions on Algorithms*, 14(1): 1:1–1:??, January 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Cohen:2009:TDM

[CRR09] Rami Cohen, Dror Rawitz, and Danny Raz. Time-dependent multi-scheduling of multicast. *ACM Transactions on Algorithms*, 6(1):14:1–14:??, December 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chawla:2013:FSI

[CRR13] Shuchi Chawla, Prasad Raghavendra, and Dana Randall. Foreword to the Special Issue on SODA'11. *ACM Transactions on Algorithms*, 9(3):20:1–20:??, June 2013. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chen:2022:LBC

[CRSS22] Xi Chen, Tim Randolph, Rocco A. Servedio, and Timothy Sun. A lower bound on cycle-finding in sparse digraphs. *ACM Transactions on Algorithms*, 18(4):31:1–31:??, October 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3417979`.

Cairo:2024:GAP

[CRTZ24] Massimo Cairo, Romeo Rizzi, Alexandru I. Tomescu, and Elia C. Zirondelli. Genome assembly, from practice to theory: Safe, complete and linear-time. *ACM Transactions on Algorithms*, 20(1):4:1–4:??, January 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3632176`.

Chung:2011:CDK

[CRV11] Kai-Min Chung, Omer Reingold, and Salil Vadhan. S-T connectivity on digraphs with a known stationary distribution. *ACM Transactions on Algorithms*, 7(3):30:1–30:??, July 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Carbonnel:2020:PWM

[CRZ20] Clément Carbonnel, Miguel Romero, and Stanislav Zivný. Point-width and Max-CSPs. *ACM Transactions on Algorithms*, 16(4):54:1–54:28, September 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3409447`.

Cheriyan:2007:PED

[CS07] Joseph Cheriyan and Mohammad R. Salavatipour. Packing element-disjoint Steiner trees. *ACM Transactions on Algorithms*, 3(4):47:1–47:??, November 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Czumaj:2008:TEM

[CS08] Artur Czumaj and Christian Sohler. Testing Euclidean minimum spanning trees in the plane. *ACM Transactions on Algorithms*, 4(3):31:1–31:??, June 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Choi:2011:CPM

[CS11] Yongwook Choi and Wojciech Szpankowski. Constrained pattern matching. *ACM Transactions on Algorithms*, 7(2):25:1–25:??, March 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chudnovsky:2021:FSO

[CSS21] Maria Chudnovsky, Alex Scott, and Paul Seymour. Finding a shortest odd hole. *ACM Transactions on Algorithms*, 17

(2):13:1–13:21, June 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3447869`.

Chen:2012:CRS

[CSTW12] Wei Chen, Christian Sommer, Shang-Hua Teng, and Yajun Wang. A compact routing scheme and approximate distance oracle for power-law graphs. *ACM Transactions on Algorithms*, 9(1):4:1–4:??, December 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Czumaj:2007:TBW

[CV07] Artur Czumaj and Berthold Vöcking. Tight bounds for worst-case equilibria. *ACM Transactions on Algorithms*, 3(1):??, February 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chiplunkar:2020:RMA

[CV20] Ashish Chiplunkar and Sundar Vishwanathan. Randomized memoryless algorithms for the weighted and the generalized k-server problems. *ACM Transactions on Algorithms*, 16(1):14:1–14:28, January 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3365002`.

Cook:2010:GFD

[CW10] Atlas F. Cook IV and Carola Wenk. Geodesic Fréchet distance inside a simple polygon. *ACM Transactions on Algorithms*, 7(1):9:1–9:??, November 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chen:2015:CSP

[CW15] Danny Z. Chen and Haitao Wang. Computing shortest paths among curved obstacles in the plane. *ACM Transactions on Algorithms*, 11(4):26:1–26:??, June 2015. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chan:2016:AAO

[CW16] Timothy M. Chan and Bryan T. Wilkinson. Adaptive and approximate orthogonal range counting. *ACM Transactions on Algorithms*, 12(4):45:1–45:??, September 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chan:2021:DAO

[CW21] Timothy M. Chan and R. Ryan Williams. Deterministic APSP, orthogonal vectors, and more: Quickly derandomizing Razborov–Smolensky. *ACM Transactions on Algorithms*, 17(1):2:1–2:14, January 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3402926`.

Chechik:2018:NOL

[CWN18] Shiri Chechik and Christian Wulff-Nilsen. Near-optimal light spanners. *ACM Transactions on Algorithms*, 14(3):33:1–33:??, July 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3199607`.

Chrobak:2025:CTW

[CY25] Marek Chrobak and Neal E. Young. Classification via two-way comparisons. *ACM Transactions on Algorithms*, 21(2):17:1–17:??, April 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Chen:2018:PGI

[CZ18] Lin Chen and Guochuan Zhang. Packing groups of items into multiple knapsacks. *ACM Transactions on Algorithms*, 14(4): 1–24, October 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3233524`.

Chan:2024:HPL

[CZ24] Timothy M. Chan and Da Wei Zheng. Hopcroft's problem, log* shaving, two-dimensional fractional cascading, and decision trees. *ACM Transactions on Algorithms*, 20(3):24:1–24:??, July 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3591357`.

Daskalakis:2013:CAN

[Das13] Constantinos Daskalakis. On the complexity of approximating a Nash equilibrium. *ACM Transactions on Algorithms*, 9(3):23:1–23:??, June 2013. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

deBerg:2021:FGC

[dBBJW21] Mark de Berg, Kevin Buchin, Bart M. P. Jansen, and Gerhard Woeginger. Fine-grained complexity analysis of two classic TSP

variants. *ACM Transactions on Algorithms*, 17(1):5:1–5:29, January 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3414845`.

Carvalho:2005:VAE

[DC05] Marcelo H. De Carvalho and Joseph Cheriyan. An $O(VE)$ algorithm for ear decompositions of matching-covered graphs. *ACM Transactions on Algorithms*, 1(2):324–337, October 2005. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Darwish:2021:MAN

[DEK21] Omar Darwish, Amr Elmasry, and Jyrki Katajainen. Memory-adjustable navigation piles with applications to sorting and convex hulls. *ACM Transactions on Algorithms*, 17(2):18:1–18:19, June 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3452938`.

Demaine:2005:FPA

[DFHT05] Erik D. Demaine, Fedor V. Fomin, Mohammadtaghi Hajiaghayi, and Dimitrios M. Thilikos. Fixed-parameter algorithms for (k, r)-center in planar graphs and map graphs. *ACM Transactions on Algorithms*, 1(1):33–47, July 2005. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Dutting:2025:FDS

[DFL+25] Paul Dütting, Federico Fusco, Silvio Lattanzi, Ashkan Norouzi-Fard, and Morteza Zadimoghaddam. Fully dynamic submodular maximization over matroids. *ACM Transactions on Algorithms*, 21(1):11:1–11:??, January 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Deligkas:2023:PTA

[DFM23] Argyrios Deligkas, Michail Fasoulakis, and Evangelos Markakis. A polynomial-time algorithm for 1/3-approximate Nash equilibria in bimatrix games. *ACM Transactions on Algorithms*, 19 (4):31:1–31:??, October 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3606697`.

Demetrescu:2009:TSP

[DFR09] Camil Demetrescu, Irene Finocchi, and Andrea Ribichini. Trading off space for passes in graph streaming problems. *ACM Transac-*

tions on Algorithms, 6(1):6:1–6:??, December 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Doerr:2014:QRS

[DFS14] Benjamin Doerr, Tobias Friedrich, and Thomas Sauerwald. Quasirandom rumor spreading. *ACM Transactions on Algorithms*, 11(2):9:1–9:??, October 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Dyer:2020:RWS

[DGG+20] Martin E. Dyer, Andreas Galanis, Leslie Ann Goldberg, Mark Jerrum, and Eric Vigoda. Random walks on small world networks. *ACM Transactions on Algorithms*, 16(3):37:1–37:33, June 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3382208`.

DeBerg:2018:FAC

[DGM18] Mark De Berg, Joachim Gudmundsson, and Mehran Mehr. Faster algorithms for computing plurality points. *ACM Transactions on Algorithms*, 14(3):36:1–36:??, July 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3186990`.

Deshpande:2012:PPF

[DH12] Amol Deshpande and Lisa Hellerstein. Parallel pipelined filter ordering with precedence constraints. *ACM Transactions on Algorithms*, 8(4):41:1–41:??, September 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Devanur:2018:PDG

[DH18] Nikhil R. Devanur and Zhiyi Huang. Primal dual gives almost optimal energy-efficient online algorithms. *ACM Transactions on Algorithms*, 14(1):5:1–5:??, January 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Demaine:2014:NWS

[DHK14] Erik D. Demaine, Mohammadtaghi Hajiaghayi, and Philip N. Klein. Node-weighted Steiner tree and group Steiner tree in planar graphs. *ACM Transactions on Algorithms*, 10(3):13:1–13:??, June 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Deshpande:2016:AAS

[DHK16] Amol Deshpande, Lisa Hellerstein, and Devorah Kletenik. Approximation algorithms for stochastic submodular set cover with applications to Boolean function evaluation and min-knapsack. *ACM Transactions on Algorithms*, 12(3):42:1–42:??, June 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Demaine:2009:MM

[DHM+09] Erik D. Demaine, Mohammadtaghi Hajiaghayi, Hamid Mahini, Amin S. Sayedi-Roshkhar, Shayan Oveisgharan, and Morteza Zadimoghaddam. Minimizing movement. *ACM Transactions on Algorithms*, 5(3):30:1–30:??, July 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Dell:2014:ETC

[DHM+14a] Holger Dell, Thore Husfeldt, Dániel Marx, Nina Taslaman, and Martin Wahlén. Exponential time complexity of the permanent and the Tutte polynomial. *ACM Transactions on Algorithms*, 10 (4):21:1–21:??, August 2014. ISSN 1549-6325 (print), 1549-6333 (electronic).

Demaine:2014:MMF

[DHM14b] Erik D. Demaine, Mohammadtaghi Hajiaghayi, and Dániel Marx. Minimizing movement: Fixed-parameter tractability. *ACM Transactions on Algorithms*, 11(2):14:1–14:??, October 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Demaine:2012:PAN

[DHMZ12] Erik D. Demaine, Mohammadtaghi Hajiaghayi, Hamid Mahini, and Morteza Zadimoghaddam. The price of anarchy in network creation games. *ACM Transactions on Algorithms*, 8(2):13:1–13:??, April 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Driemel:2016:ECV

[DHPR16] Anne Driemel, Sariel Har-Peled, and Benjamin Raichel. On the expected complexity of Voronoi diagrams on terrains. *ACM Transactions on Algorithms*, 12(3):37:1–37:??, June 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

DeCarliSilva:2016:SSP

[DHS16] Marcel K. De Carli Silva, Nicholas J. A. Harvey, and Cristiane M. Sato. Sparse sums of positive semidefinite matrices. *ACM Transactions on Algorithms*, 12(1):9:1–9:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Demetrescu:2006:EAD

[DI06] Camil Demetrescu and Giuseppe F. Italiano. Experimental analysis of dynamic all pairs shortest path algorithms. *ACM Transactions on Algorithms*, 2(4):578–601, October 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Dallant:2025:CLB

[DI25] Justin Dallant and John Iacono. Conditional lower bounds for dynamic geometric measure problems. *ACM Transactions on Algorithms*, 21(2):23:1–23:??, April 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Demaine:2007:RDS

[DIL07] Erik D. Demaine, John Iacono, and Stefan Langerman. Retroactive data structures. *ACM Transactions on Algorithms*, 3(2): 13:1–13:??, May 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Djidjev:2010:FAC

[Dji10] Hristo N. Djidjev. A faster algorithm for computing the girth of planar and bounded genus graphs. *ACM Transactions on Algorithms*, 7(1):3:1–3:??, November 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Diedrich:2012:TAA

[DJP+12] Florian Diedrich, Klaus Jansen, Lars Prädel, Ulrich M. Schwarz, and Ola Svensson. Tight approximation algorithms for scheduling with fixed jobs and nonavailability. *ACM Transactions on Algorithms*, 8(3):27:1–27:??, July 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Drmota:2012:PAC

[DK12] Michael Drmota and Reinhard Kutzelnigg. A precise analysis of Cuckoo hashing. *ACM Transactions on Algorithms*, 8(2):11:1–11:36, April 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Duncan:2006:OCG

[DKK06] Christian A. Duncan, Stephen G. Kobourov, and V. S. Anil Kumar. Optimal constrained graph exploration. *ACM Transactions on Algorithms*, 2(3):380–402, July 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Dinitz:2017:IAA

[DKN17] Michael Dinitz, Guy Kortsarz, and Zeev Nutov. Improved approximation algorithm for Steiner k-forest with nearly uniform weights. *ACM Transactions on Algorithms*, 13(3):40:1–40:??, August 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Dinitz:2016:LCI

[DKR16] Michael Dinitz, Guy Kortsarz, and Ran Raz. Label cover instances with large girth and the hardness of approximating basic k-spanner. *ACM Transactions on Algorithms*, 12(2):25:1–25:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Dvorak:2011:TCT

[DKT11] Zdenek Dvorák, Ken-Ichi Kawarabayashi, and Robin Thomas. Three-coloring triangle-free planar graphs in linear time. *ACM Transactions on Algorithms*, 7(4):41:1–41:??, September 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Dom:2014:KLB

[DLS14] Michael Dom, Daniel Lokshtanov, and Saket Saurabh. Kernelization lower bounds through colors and IDs. *ACM Transactions on Algorithms*, 11(2):13:1–13:??, October 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Duch:2009:URK

[DM09] Amalia Duch and Conrado Martínez. Updating relaxed K-d trees. *ACM Transactions on Algorithms*, 6(1):4:1–4:??, December 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Damerow:2012:SAL

[DMM+12] Valentina Damerow, Bodo Manthey, Friedhelm Meyer Auf Der Heide, Harald Räcke, Christian Scheideler, Christian Sohler, and Till Tantau. Smoothed analysis of left-to-right maxima with applications. *ACM Transactions on Algorithms*, 8(3):30:1–30:??,

July 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Demaine:2009:ODA

[DMRW09] Erik D. Demaine, Shay Mozes, Benjamin Rossman, and Oren Weimann. An optimal decomposition algorithm for tree edit distance. *ACM Transactions on Algorithms*, 6(1):2:1–2:??, December 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Dadush:2024:IAS

[DMT24] Daniel Dadush, Martin Milanic, and Tami Tamir. Introduction: ACM-SIAM Symposium on Discrete Algorithms (SODA) 2022 special issue. *ACM Transactions on Algorithms*, 20(3):21:1–21:??, July 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3655622`.

Drmota:2006:RFA

[DP06] Michael Drmota and Helmut Prodinger. The register function for t-ary trees. *ACM Transactions on Algorithms*, 2(3):318–334, July 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Dieudonne:2014:DNE

[DP14] Yoann Dieudonné and Andrzej Pelc. Deterministic network exploration by anonymous silent agents with local traffic reports. *ACM Transactions on Algorithms*, 11(2):10:1–10:??, October 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Dieudonne:2014:GDM

[DPP14] Yoann Dieudonné, Andrzej Pelc, and David Peleg. Gathering despite mischief. *ACM Transactions on Algorithms*, 11(1):1:1–1:??, August 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Duan:2018:SAW

[DPS18] Ran Duan, Seth Pettie, and Hsin-Hao Su. Scaling algorithms for weighted matching in general graphs. *ACM Transactions on Algorithms*, 14(1):8:1–8:??, January 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Dinitz:2008:OAS

[DS08] Yefim Dinitz and Shay Solomon. Optimality of an algorithm solving the Bottleneck Tower of Hanoi problem. *ACM Transactions on Algorithms*, 4(3):25:1–25:??, June 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

DeVerdiere:2011:SVD

[DS11] Éric Colin De Verdière and Alexander Schrijver. Shortest vertex-disjoint two-face paths in planar graphs. *ACM Transactions on Algorithms*, 7(2):19:1–19:??, March 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Disser:2019:SAN

[DS19] Yann Disser and Martin Skutella. The simplex algorithm is NP-Mighty. *ACM Transactions on Algorithms*, 15(1):1–19, January 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3280847`.

Dumitrescu:2016:TSP

[DT16] Adrian Dumitrescu and Csaba D. Tóth. The traveling salesman problem for lines, balls, and planes. *ACM Transactions on Algorithms*, 12(3):43:1–43:??, June 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Drescher:2010:AAM

[DV10] Matthew Drescher and Adrian Vetta. An approximation algorithm for the maximum leaf spanning arborescence problem. *ACM Transactions on Algorithms*, 6(3):46:1–46:??, June 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Even-Dar:2007:CTN

[EDKM07] Eyal Even-Dar, Alex Kesselman, and Yishay Mansour. Convergence time to Nash equilibrium in load balancing. *ACM Transactions on Algorithms*, 3(3):32:1–32:??, August 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ebrahimi:2012:CAW

[EF12] Javad B. Ebrahimi and Christina Fragouli. Combinatiorial algorithms for wireless information flow. *ACM Transactions on Algorithms*, 9(1):8:1–8:??, December 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ehsani:2015:BBN

[EFF+15] Shayan Ehsani, Saber Shokat Fadaee, Mohammadamin Fazli, Abbas Mehrabian, Sina Sadeghian Sadeghabad, Mohammadali Safari, and Morteza Saghafian. A bounded budget network creation game. *ACM Transactions on Algorithms*, 11(4):34:1–34:??, June 2015. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Even:2009:AAA

[EFKN09] Guy Even, Jon Feldman, Guy Kortsarz, and Zeev Nutov. A 1.8 approximation algorithm for augmenting edge-connectivity of a graph from 1 to 2. *ACM Transactions on Algorithms*, 5(2):21:1–21:??, March 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Efrat:2016:IAA

[EFM+16] Alon Efrat, Sándor P. Fekete, Joseph S. B. Mitchell, Valentin Polishchuk, and Jukka Suomela. Improved approximation algorithms for relay placement. *ACM Transactions on Algorithms*, 12(2):20:1–20:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Esfandiari:2018:SAE

[EHL+18] Hossein Esfandiari, Mohammadtaghi Hajiaghayi, Vahid Liaghat, Morteza Monemizadeh, and Krzysztof Onak. Streaming algorithms for estimating the matching size in planar graphs and beyond. *ACM Transactions on Algorithms*, 14(4):1–23, October 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3230819`.

Emek:2016:SCI

[EHR16] Yuval Emek, Magnús M. Halldórsson, and Adi Rosén. Space-constrained interval selection. *ACM Transactions on Algorithms*, 12(4):51:1–51:??, September 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Elmasry:2008:MPQ

[EJK08] Amr Elmasry, Claus Jensen, and Jyrki Katajainen. Multipartite priority queues. *ACM Transactions on Algorithms*, 5(1):14:1–14:??, November 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Evans:2006:OSV

[EK06] William Evans and David Kirkpatrick. Optimally scheduling video-on-demand to minimize delay when sender and receiver bandwidth may differ. *ACM Transactions on Algorithms*, 2(4): 661–678, October 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Elkin:2007:IAR

[EK07] Michael Elkin and Guy Kortsarz. An improved algorithm for radio broadcast. *ACM Transactions on Algorithms*, 3(1):??, February 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Eiben:2020:CPP

[EK20] Eduard Eiben and Iyad Kanj. A colored path problem and its applications. *ACM Transactions on Algorithms*, 16(4):47:1–47:48, September 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3396573`.

Even:2005:NDP

[EKS05] Guy Even, Guy Kortsarz, and Wolfgang Slany. On network design problems: fixed cost flows and the covering Steiner problem. *ACM Transactions on Algorithms*, 1(1):74–101, July 2005. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Elkin:2005:CAS

[Elk05] Michael Elkin. Computing almost shortest paths. *ACM Transactions on Algorithms*, 1(2):283–323, October 2005. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Elkin:2011:SFD

[Elk11] Michael Elkin. Streaming and fully dynamic centralized algorithms for constructing and maintaining sparse spanners. *ACM Transactions on Algorithms*, 7(2):20:1–20:??, March 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Elmasry:2017:TOS

[Elm17] Amr Elmasry. Toward optimal self-adjusting heaps. *ACM Transactions on Algorithms*, 13(4):55:1–55:??, December 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Even:2021:SRA

[ELMR21] Guy Even, Reut Levi, Moti Medina, and Adi Rosén. Sublinear random access generators for preferential attachment graphs. *ACM Transactions on Algorithms*, 17(4):28:1–28:26, October 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3464958`.

Even:2008:ACR

[ELR+08] Guy Even, Retsef Levi, Dror Rawitz, Baruch Schieber, Shimon (Moni) Shahar, and Maxim Sviridenko. Algorithms for capacitated rectangle stabbing and lot sizing with joint set-up costs. *ACM Transactions on Algorithms*, 4(3):34:1–34:??, June 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Eden:2020:TBA

[ELR20] Talya Eden, Reut Levi, and Dana Ron. Testing bounded arboricity. *ACM Transactions on Algorithms*, 16(2):18:1–18:22, April 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3381418`.

Ergun:2010:PTS

[EMS10] Funda Ergun, S. Muthukrishnan, and Cenk Sahinalp. Periodicity testing with sublinear samples and space. *ACM Transactions on Algorithms*, 6(2):43:1–43:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Eberle:2023:OTM

[EMS23] Franziska Eberle, Nicole Megow, and Kevin Schewior. Online throughput maximization on unrelated machines: Commitment is no burden. *ACM Transactions on Algorithms*, 19(1):10:1–10:??, January 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3569582`.

Equi:2023:CSM

[EMTG23] Massimo Equi, Veli Mäkinen, Alexandru I. Tomescu, and Roberto Grossi. On the complexity of string matching for graphs. *ACM Transactions on Algorithms*, 19(3):21:1–21:??, July 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3588334`.

Elkin:2019:EAC

[EN19] Michael Elkin and Ofer Neiman. Efficient algorithms for constructing very sparse spanners and emulators. *ACM Transactions on Algorithms*, 15(1):1–29, January 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3274651`.

Edmonds:2005:MAL

[EP05] Jeff Edmonds and Kirk Pruhs. A maiden analysis of longest wait first. *ACM Transactions on Algorithms*, 1(1):14–32, July 2005. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Edmonds:2011:CCR

[EP11] Jeff Edmonds and Kirk Pruhs. Cake cutting really is not a piece of cake. *ACM Transactions on Algorithms*, 7(4):51:1–51:??, September 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Edmonds:2012:SSP

[EP12] Jeff Edmonds and Kirk Pruhs. Scalably scheduling processes with arbitrary speedup curves. *ACM Transactions on Algorithms*, 8 (3):28:1–28:??, July 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Elkin:2016:LSL

[EP16] Michael Elkin and Seth Pettie. A linear-size logarithmic stretch path-reporting distance oracle for general graphs. *ACM Transactions on Algorithms*, 12(4):50:1–50:??, September 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Eppstein:2006:QAM

[Epp06] David Eppstein. Quasiconvex analysis of multivariate recurrence equations for backtracking algorithms. *ACM Transactions on Algorithms*, 2(4):492–509, October 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Eppstein:2007:FSI

[Epp07] David Eppstein. Foreword to special issue on SODA 2002. *ACM Transactions on Algorithms*, 3(1):??, February 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Eppstein:2009:AMI

[Epp09a] David Eppstein. All maximal independent sets and dynamic dominance for sparse graphs. *ACM Transactions on Algorithms*, 5(4): 38:1–38:??, October 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Eppstein:2009:STS

[Epp09b] David Eppstein. Squarepants in a tree: Sum of subtree clustering and hyperbolic pants decomposition. *ACM Transactions on Algorithms*, 5(3):29:1–29:??, July 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Eppstein:2009:TBG

[Epp09c] David Eppstein. Testing bipartiteness of geometric intersection graphs. *ACM Transactions on Algorithms*, 5(2):15:1–15:??, March 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Eppstein:2018:PCP

[Epp18] David Eppstein. The parametric closure problem. *ACM Transactions on Algorithms*, 14(1):2:1–2:??, January 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Emek:2010:NLT

[EPR10] Yuval Emek, David Peleg, and Liam Roditty. A near-linear-time algorithm for computing replacement paths in planar directed graphs. *ACM Transactions on Algorithms*, 6(4):64:1–64:??, August 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Eisenbrand:2013:PDP

[EPR13] Friedrich Eisenbrand, Dömötör Pálvölgyi, and Thomas Rothvoß. Bin packing via discrepancy of permutations. *ACM Transactions on Algorithms*, 9(3):24:1–24:??, June 2013. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Emek:2016:SSS

[ER16] Yuval Emek and Adi Rosén. Semi-streaming set cover. *ACM Transactions on Algorithms*, 13(1):6:1–6:??, December 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Etscheid:2017:SAL

[ER17] Michael Etscheid and Heiko Röglin. Smoothed analysis of local search for the maximum-cut problem. *ACM Transactions on Algorithms*, 13(2):25:1–25:??, May 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Englert:2016:SAO

[ERV16] Matthias Englert, Heiko Röglin, and Berthold Vöcking. Smoothed analysis of the 2-opt algorithm for the general TSP. *ACM Transactions on Algorithms*, 13(1):10:1–10:??, December 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Elkin:2016:FCL

[ES16] Michael Elkin and Shay Solomon. Fast constructions of lightweight spanners for general graphs. *ACM Transactions on Algorithms*, 12(3):29:1–29:??, June 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Epstein:2006:OSS

[EV06a] Leah Epstein and Rob Van Stee. Online scheduling of splittable tasks. *ACM Transactions on Algorithms*, 2(1):79–94, January 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Epstein:2006:SU

[EV06b] Leah Epstein and Rob Van Stee. This side up! *ACM Transactions on Algorithms*, 2(2):228–243, April 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Epstein:2010:OUC

[EV10] Leah Epstein and Rob Van Stee. On the online unit clustering problem. *ACM Transactions on Algorithms*, 7(1):7:1–7:??, November 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Eisenbrand:2020:PRF

[EW20] Friedrich Eisenbrand and Robert Weismantel. Proximity results and faster algorithms for integer programming using the Steinitz lemma. *ACM Transactions on Algorithms*, 16(1):5:1–5:14, January 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3340322`.

Fernandez-Baca:2009:PAU

[FBV09] David Fernández-Baca and Balaji Venkatachalam. Parametric analysis for ungapped Markov models of evolution. *ACM Transactions on Algorithms*, 5(4):44:1–44:??, October 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Farach-Colton:2009:BHO

[FCFM09] Martin Farach-Colton, Rohan J. Fernandes, and Miguel A. Mosteiro. Bootstrapping a hop-optimal network in the weak sensor model. *ACM Transactions on Algorithms*, 5(4):37:1–37:??, October 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Feldman:2017:MSS

[Fel17] Moran Feldman. Maximizing symmetric submodular functions. *ACM Transactions on Algorithms*, 13(3):39:1–39:??, August 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Filtser:2023:SSD

[FF23] Arnold Filtser and Omrit Filtser. Static and streaming data structures for Fréchet distance queries. *ACM Transactions on Algorithms*, 19(4):39:1–39:??, October 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3610227`.

Fanelli:2012:SCC

[FFM12] Angelo Fanelli, Michele Flammini, and Luca Moscardelli. The speed of convergence in congestion games under best-response dynamics. *ACM Transactions on Algorithms*, 8(3):25:1–25:??, July 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Franceschini:2008:NSB

[FG08] Gianni Franceschini and Roberto Grossi. No sorting? better searching! *ACM Transactions on Algorithms*, 4(1):2:1–2:??, March 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Foschini:2006:WIE

[FGGV06] Luca Foschini, Roberto Grossi, Ankur Gupta, and Jeffrey Scott Vitter. When indexing equals compression: Experiments with compressing suffix arrays and applications. *ACM Transactions*

on Algorithms, 2(4):611–639, October 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Finocchi:2009:RD

[FGI09] Irene Finocchi, Fabrizio Grandoni, and Giuseppe F. Italiano. Resilient dictionaries. *ACM Transactions on Algorithms*, 6(1):1:1–1:??, December 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Fleischer:2016:SEA

[FGK+16] Lisa Fleischer, Rahul Garg, Sanjiv Kapoor, Rohit Khandekar, and Amin Saberi. A simple and efficient algorithm for computing market equilibria. *ACM Transactions on Algorithms*, 12(3):34:1–34:??, June 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Fomin:2024:SCM

[FGK+24a] Fedor V. Fomin, Petr A. Golovach, Tuukka Korhonen, Daniel Lokshtanov, and Giannos Stamoulis. Shortest cycles with monotone submodular costs. *ACM Transactions on Algorithms*, 20 (1):2:1–2:??, January 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3626824`.

Fomin:2024:FPT

[FGK+24b] Fedor V. Fomin, Petr A. Golovach, Tuukka Korhonen, Kirill Simonov, and Giannos Stamoulis. Fixed-parameter tractability of maximum colored path and beyond. *ACM Transactions on Algorithms*, 20(4):36:1–36:??, October 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3674835`.

Fried:2024:IAD

[FGK+24c] Dvir Fried, Shay Golan, Tomasz Kociumaka, Tsvi Kopelowitz, Ely Porat, and Tatiana Starikovskaya. An improved algorithm for the k-Dyck edit distance problem. *ACM Transactions on Algorithms*, 20(3):26:1–26:??, July 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3627539`.

Fomin:2019:CWI

[FGL+19] Fedor V. Fomin, Petr A. Golovach, Daniel Lokshtanov, Saket Saurabh, and Meirav Zehavi. Clique-width III: Hamiltonian cycle

and the odd case of graph coloring. *ACM Transactions on Algorithms*, 15(1):1–27, January 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3280824`.

Fomin:2020:ASL

[FGL+20] Fedor V. Fomin, Petr A. Golovach, Daniel Lokshtanov, Fahad Panolan, and Saket Saurabh. Approximation schemes for low-rank binary matrix approximation problems. *ACM Transactions on Algorithms*, 16(1):12:1–12:39, January 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3365653`.

Fomin:2019:SCR

[FGLS19] Fedor V. Fomin, Petr A. Golovach, Daniel Lokshtanov, and Saket Saurabh. Spanning circuits in regular matroids. *ACM Transactions on Algorithms*, 15(4):1–38, October 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3355629`.

Fomin:2008:CBM

[FGPS08] Fedor V. Fomin, Fabrizio Grandoni, Artem V. Pyatkin, and Alexey A. Stepanov. Combinatorial bounds via measure and conquer: Bounding minimal dominating sets and applications. *ACM Transactions on Algorithms*, 5(1):9:1–9:??, November 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Focke:2025:ACA

[FGRZ25] Jacob Focke, Leslie Ann Goldberg, Marc Roth, and Stanislav Zivný. Approximately counting answers to conjunctive queries with disequalities and negations. *ACM Transactions on Algorithms*, 21(1):8:1–8:??, January 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Feng:2022:RMS

[FGYZ22] Weiming Feng, Heng Guo, Yitong Yin, and Chihao Zhang. Rapid mixing from spectral independence beyond the Boolean domain. *ACM Transactions on Algorithms*, 18(3):28:1–28:??, July 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3531008`.

Focke:2021:CAC

[FGZ21] Jacob Focke, Leslie Ann Goldberg, and Stanislav Zivný. The complexity of approximately counting retractions to square-free graphs. *ACM Transactions on Algorithms*, 17(3):22:1–22:51, August 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3458040`.

Fakcharoenphol:2007:TRP

[FHR07] Jittat Fakcharoenphol, Chris Harrelson, and Satish Rao. The k-traveling repairmen problem. *ACM Transactions on Algorithms*, 3(4):40:1–40:??, November 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Filtser:2024:SSP

[Fil24] Arnold Filtser. Scattering and sparse partitions, and their applications. *ACM Transactions on Algorithms*, 20(4):30:1–30:??, October 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3672562`.

Filtser:2025:FCP

[Fil25] Arnold Filtser. A face cover perspective to l_1 embeddings of planar graphs. *ACM Transactions on Algorithms*, 21(1):4:1–4:??, January 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Feigenbaum:2006:SMC

[FIM+06] Joan Feigenbaum, Yuval Ishai, Tal Malkin, Kobbi Nissim, Martin J. Strauss, and Rebecca N. Wright. Secure multiparty computation of approximations. *ACM Transactions on Algorithms*, 2 (3):435–472, July 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Feigenbaum:2014:APF

[FJS14] Joan Feigenbaum, Aaron D. Jaggard, and Michael Schapira. Approximate privacy: Foundations and quantification. *ACM Transactions on Algorithms*, 10(3):11:1–11:??, June 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Friggstad:2019:ASC

[FKRS19] Zachary Friggstad, Kamyar Khodamoradi, Mohsen Rezapour, and Mohammad R. Salavatipour. Approximation schemes for clustering with outliers. *ACM Transactions on Algorithms*, 15

(2):1–26, May 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3301446`.

Fotakis:2008:ACG

[FKS08] Dimitris Fotakis, Spyros Kontogiannis, and Paul Spirakis. Atomic congestion games among coalitions. *ACM Transactions on Algorithms*, 4(4):52:1–52:??, August 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Fu:2011:DAH

[FKW11] Bin Fu, Ming-Yang Kao, and Lusheng Wang. Discovering almost any hidden motif from multiple sequences. *ACM Transactions on Algorithms*, 7(2):26:1–26:??, March 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Fomin:2020:SAR

[FLK+20] Fedor V. Fomin, Daniel Lokshtanov, Sudeshna Kolay, Fahad Panolan, and Saket Saurabh. Subexponential algorithms for rectilinear Steiner tree and arborescence problems. *ACM Transactions on Algorithms*, 16(2):21:1–21:37, April 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3381420`.

Fomin:2019:SKI

[FLL+19] Fedor V. Fomin, Tien-Nam Le, Daniel Lokshtanov, Saket Saurabh, Stéphan Thomassé, and Meirav Zehavi. Subquadratic kernels for implicit 3-hitting set and 3-set packing problems. *ACM Transactions on Algorithms*, 15(1):1–44, January 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3293466`.

Fischer:2012:QCT

[FLM+12] Eldar Fischer, Oded Lachish, Arie Matsliah, Ilan Newman, and Orly Yahalom. On the query complexity of testing orientations for being Eulerian. *ACM Transactions on Algorithms*, 8(2):15:1–15:??, April 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Fakcharoenphol:2014:FAS

[FLN14] Jittat Fakcharoenphol, Bundit Laekhanukit, and Danupon Nanongkai. Faster algorithms for semi-matching problems. *ACM*

Transactions on Algorithms, 10(3):14:1–14:??, June 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Frigo:2012:COA

[FLPR12] Matteo Frigo, Charles E. Leiserson, Harald Prokop, and Sridhar Ramachandran. Cache-oblivious algorithms. *ACM Transactions on Algorithms*, 8(1):4:1–4:??, January 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Fomin:2017:RFP

[FLPS17] Fedor V. Fomin, Daniel Lokshtanov, Fahad Panolan, and Saket Saurabh. Representative families of product families. *ACM Transactions on Algorithms*, 13(3):36:1–36:??, August 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Fomin:2018:FPT

[FLS+18] Fedor V. Fomin, Daniel Lokshtanov, Saket Saurabh, MichaL Pilipczuk, and Marcin Wrochna. Fully polynomial-time parameterized computations for graphs and matrices of low treewidth. *ACM Transactions on Algorithms*, 14(3):34:1–34:??, July 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3186898`.

Fomin:2018:KCD

[FLST18] Fedor V. Fomin, Daniel Lokshtanov, Saket Saurabh, and Dimitrios M. Thilikos. Kernels for (connected) dominating set on graphs with excluded topological minors. *ACM Transactions on Algorithms*, 14(1):6:1–6:??, January 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ferragina:2007:CRS

[FMMN07] Paolo Ferragina, Giovanni Manzini, Veli Mäkinen, and Gonzalo Navarro. Compressed representations of sequences and full-text indexes. *ACM Transactions on Algorithms*, 3(2):20:1–20:??, May 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Focke:2024:CLH

[FMR24] Jacob Focke, Dániel Marx, and Paweł Rzazewski. Counting list homomorphisms from graphs of bounded treewidth: Tight complexity bounds. *ACM Transactions on Algorithms*, 20(2):11:1–11:??, April 2024. CODEN ???? ISSN 1549-6325 (print), 1549-

6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3640814`.

Feldman:2010:DSS

[FMS+10] Jon Feldman, S. Muthukrishnan, Anastasios Sidiropoulos, Cliff Stein, and Zoya Svitkina. On distributing symmetric streaming computations. *ACM Transactions on Algorithms*, 6(4):66:1–66:??, August 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Flammini:2010:BSP

[FN10] Michele Flammini and Gaia Nicosia. On the bicriteria k-server problem. *ACM Transactions on Algorithms*, 7(1):6:1–6:??, November 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Fischer:2020:TAP

[FN20] Manuela Fischer and Andreas Noever. Tight analysis of parallel randomized greedy MIS. *ACM Transactions on Algorithms*, 16(1):6:1–6:13, January 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3326165`.

Fotakis:2011:MFL

[Fot11] Dimitris Fotakis. Memoryless facility location in one pass. *ACM Transactions on Algorithms*, 7(4):49:1–49:??, September 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Faigle:2010:TPG

[FP10] Ulrich Faigle and Britta Peis. Two-phase greedy algorithms for some classes of combinatorial linear programs. *ACM Transactions on Algorithms*, 6(4):65:1–65:??, August 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Fraigniaud:2013:DIE

[FP13] Pierre Fraigniaud and Andrzej Pelc. Delays induce an exponential memory gap for rendezvous in trees. *ACM Transactions on Algorithms*, 9(2):17:1–17:??, March 2013. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Fearnley:2022:FAF

[FPS22] John Fearnley, Dömötör Pálvölgyi, and Rahul Savani. A faster algorithm for finding Tarski fixed points. *ACM Transactions on*

Algorithms, 18(3):23:1–23:??, July 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3524044`.

Fox:2023:MCM

[FPZ23] Kyle Fox, Debmalya Panigrahi, and Fred Zhang. Minimum cut and minimum k-cut in hypergraphs via branching contractions. *ACM Transactions on Algorithms*, 19(2):13:1–13:??, April 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3570162`.

Fattal:2010:ADM

[FR10] Shahar Fattal and Dana Ron. Approximating the distance to monotonicity in high dimensions. *ACM Transactions on Algorithms*, 6(3):52:1–52:??, June 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Friggstad:2011:MMM

[FS11] Zachary Friggstad and Mohammad R. Salavatipour. Minimizing movement in mobile facility location problems. *ACM Transactions on Algorithms*, 7(3):28:1–28:??, July 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Fusy:2008:DOT

[FSP08] Éric Fusy, Gilles Schaeffer, and Dominique Poulalhon. Dissections, orientations, and trees with applications to optimal mesh encoding and random sampling. *ACM Transactions on Algorithms*, 4(2):19:1–19:??, May 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Fischer:2020:DSS

[FTK20] Johannes Fischer, Tomohiro I, and Dominik Köppl. Deterministic sparse suffix sorting in the restore model. *ACM Transactions on Algorithms*, 16(4):50:1–50:53, September 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3398681`.

Fujito:2012:HTM

[Fuj12] Toshihiro Fujito. How to trim a MST: a 2-approximation algorithm for minimum cost-tree cover. *ACM Transactions on Algorithms*, 8(2):16:1–16:??, April 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Fukunaga:2017:SCP

[Fuk17] Takuro Fukunaga. Spider covers for prize-collecting network activation problem. *ACM Transactions on Algorithms*, 13(4):49:1–49:??, December 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ferragina:2010:CPI

[FV10] Paolo Ferragina and Rossano Venturini. The compressed permuterm index. *ACM Transactions on Algorithms*, 7(1):10:1–10:??, November 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ferragina:2016:CCO

[FV16] Paolo Ferragina and Rossano Venturini. Compressed cache-oblivious string B-tree. *ACM Transactions on Algorithms*, 12 (4):52:1–52:??, September 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ferraioli:2019:MLD

[FV19] Diodato Ferraioli and Carmine Ventre. Metastability of the logit dynamics for asymptotically well-behaved potential games. *ACM Transactions on Algorithms*, 15(2):1–42, May 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3301315`.

Feng:2007:FAS

[FZ07] Jianxing Feng and Daming Zhu. Faster algorithms for sorting by transpositions and sorting by block interchanges. *ACM Transactions on Algorithms*, 3(3):25:1–25:14, August 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gabow:2005:EF

[Gab05] Harold N. Gabow. Editor's foreword. *ACM Transactions on Algorithms*, 1(1):1, July 2005. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gabow:2009:FSI

[Gab09] Harold Gabow. Foreword to special issue on SODA 2007. *ACM Transactions on Algorithms*, 5(3):25:1–25:??, July 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gabow:2016:MPA

[Gab16] Harold N. Gabow. The minset-poset approach to representations of graph connectivity. *ACM Transactions on Algorithms*, 12(2): 24:1–24:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gabow:2017:DSN

[Gab17] Harold N. Gabow. A data structure for nearest common ancestors with linking. *ACM Transactions on Algorithms*, 13(4):45:1–45:??, December 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gabow:2025:MCM

[Gab25] Harold N. Gabow. Maximum cardinality f-matching in time $O(n^{2/3}m)$. *ACM Transactions on Algorithms*, 21(1):9:1–9:??, January 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gawrychowski:2013:OPM

[Gaw13] Pawel Gawrychowski. Optimal pattern matching in LZW compressed strings. *ACM Transactions on Algorithms*, 9(3):25:1–25:??, June 2013. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gabow:2007:ISS

[GBFC07] H. N. Gabow, Michael A. Bender, and Martin Farach-Colton. Introduction to SODA 2002 and 2003 special issue. *ACM Transactions on Algorithms*, 3(4):36:1–36:??, November 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gonzalez-Gutierrez:2010:ACT

[GGG10] Arturo Gonzalez-Gutierrez and Teofilo F. Gonzalez. Approximating corridors and tours via restriction and relaxation techniques. *ACM Transactions on Algorithms*, 6(3):56:1–56:??, June 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Galvez:2021:AGK

[GGI+21] Waldo Gálvez, Fabrizio Grandoni, Salvatore Ingala, Sandy Heydrich, Arindam Khan, and Andreas Wiese. Approximating geometric knapsack via L-packings. *ACM Transactions on Algorithms*, 17(4):33:1–33:67, October 2021. CODEN ???? ISSN

1549-6325 (print), 1549-6333 (electronic). URL https://dl.acm.org/doi/10.1145/3473713.

Goel:2010:HPE

[GGM10] Ashish Goel, Sudipto Guha, and Kamesh Munagala. How to probe for an extreme value. *ACM Transactions on Algorithms*, 7 (1):12:1–12:??, November 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gramm:2006:PMA

[GGN06] Jens Gramm, Jiong Guo, and Rolf Niedermeier. Pattern matching for arc-annotated sequences. *ACM Transactions on Algorithms*, 2(1):44–65, January 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Graf:2022:AWI

[GHH22] Alessandra Graf, David G. Harris, and Penny Haxell. Algorithms for weighted independent transversals and strong colouring. *ACM Transactions on Algorithms*, 18(1):1:1–1:16, January 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL https://dl.acm.org/doi/10.1145/3474057.

Ganian:2024:FGC

[GHK+24] Robert Ganian, Thekla Hamm, Viktoriia Korchemna, Karolina Okrasa, and Kirill Simonov. The fine-grained complexity of graph homomorphism parameterized by clique-width. *ACM Transactions on Algorithms*, 20(3):19:1–19:??, July 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL https://dl.acm.org/doi/10.1145/3652514.

Gandhi:2006:IRD

[GHKS06] Rajiv Gandhi, Magnús M. Halldórsson, Guy Kortsarz, and Hadas Shachnai. Improved results for data migration and open shop scheduling. *ACM Transactions on Algorithms*, 2(1):116–129, January 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). See corrigendum [GHKS13].

Gandhi:2008:IBS

[GHKS08] Rajiv Gandhi, Magnús M. Halldórsson, Guy Kortsarz, and Hadas Shachnai. Improved bounds for scheduling conflicting jobs with minsum criteria. *ACM Transactions on Algorithms*, 4(1):11:1–11:??, March 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gandhi:2013:CIR

[GHKS13] Rajiv Gandhi, Magnús M. Halldórsson, Guy Kortsarz, and Hadas Shachnai. Corrigendum: Improved results for data migration and open shop scheduling. *ACM Transactions on Algorithms*, 9(4): 34:1–34:??, September 2013. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). See [GHKS06].

Graham:2016:AFN

[GHLL16] Ronald Graham, Linus Hamilton, Ariel Levavi, and Po-Shen Loh. Anarchy is free in network creation. *ACM Transactions on Algorithms*, 12(2):15:1–15:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gottesburen:2024:SHQ

[GHM+24] Lars Gottesbüren, Tobias Heuer, Nikolai Maas, Peter Sanders, and Sebastian Schlag. Scalable high-quality hypergraph partitioning. *ACM Transactions on Algorithms*, 20(1):9:1–9:??, January 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3626527`.

Gupta:2010:DRF

[GHNR10a] Anupam Gupta, Mohammadtaghi Hajiaghayi, Viswanath Nagarajan, and R. Ravi. Dial a Ride from k-forest. *ACM Transactions on Algorithms*, 6(2):41:1–41:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gupta:2010:DRK

[GHNR10b] Anupam Gupta, Mohammadtaghi Hajiaghayi, Viswanath Nagarajan, and R. Ravi. Dial a Ride from k-forest. *ACM Transactions on Algorithms*, 6(2):41:1–41:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Grabner:2005:ALC

[GHPT05] Peter J. Grabner, Clemens Heuberger, Helmut Prodinger, and Jörg M. Thuswaldner. Analysis of linear combination algorithms in cryptography. *ACM Transactions on Algorithms*, 1(1):123–142, July 2005. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Goranci:2018:IEM

[GHT18] Gramoz Goranci, Monika Henzinger, and Mikkel Thorup. Incremental exact min-cut in polylogarithmic amortized update time.

ACM Transactions on Algorithms, 14(2):17:1–17:??, June 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gao:2019:CFO

[GIKW19] Jiawei Gao, Russell Impagliazzo, Antonina Kolokolova, and Ryan Williams. Completeness for first-order properties on sparse structures with algorithmic applications. *ACM Transactions on Algorithms*, 15(2):1–35, May 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3196275`.

Georgiadis:2016:ECD

[GILP16] Loukas Georgiadis, Giuseppe F. Italiano, Luigi Laura, and Nikos Parotsidis. 2-edge connectivity in directed graphs. *ACM Transactions on Algorithms*, 13(1):9:1–9:??, December 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Grossi:2017:AOE

[GIN+17] Roberto Grossi, John Iacono, Gonzalo Navarro, Rajeev Raman, and S. Rao Satti. Asymptotically optimal encodings of range data structures for selection and top-k queries. *ACM Transactions on Algorithms*, 13(2):28:1–28:??, May 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Giesen:2012:APC

[GJL12] Joachim Giesen, Martin Jaggi, and Sören Laue. Approximating parameterized convex optimization problems. *ACM Transactions on Algorithms*, 9(1):10:1–10:??, December 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Giannopoulou:2017:UKC

[GJLS17] Archontia C. Giannopoulou, Bart M. P. Jansen, Daniel Lokshtanov, and Saket Saurabh. Uniform kernelization complexity of hitting forbidden minors. *ACM Transactions on Algorithms*, 13(3):35:1–35:??, August 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Groenland:2023:APG

[GJNW23] Carla Groenland, Gwenaël Joret, Wojciech Nadara, and Bartosz Walczak. Approximating pathwidth for graphs of small treewidth. *ACM Transactions on Algorithms*, 19(2):16:1–16:??, April 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3576044`.

Giora:2009:ODV

[GK09] Yoav Giora and Haim Kaplan. Optimal dynamic vertical ray shooting in rectilinear planar subdivisions. *ACM Transactions on Algorithms*, 5(3):28:1–28:??, July 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Golubchik:2009:AAD

[GKK+09] Leana Golubchik, Sanjeev Khanna, Samir Khuller, Ramakrishna Thurimella, and An Zhu. Approximation algorithms for data placement on parallel disks. *ACM Transactions on Algorithms*, 5(4):34:1–34:??, October 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Goel:2010:PMU

[GKK10] Ashish Goel, Michael Kapralov, and Sanjeev Khanna. Perfect matchings via uniform sampling in regular bipartite graphs. *ACM Transactions on Algorithms*, 6(2):27:1–27:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Garg:2023:ANS

[GKK23] Jugal Garg, Pooja Kulkarni, and Rucha Kulkarni. Approximating Nash social welfare under submodular valuations through (un)Matchings. *ACM Transactions on Algorithms*, 19(4):36:1–36:??, October 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3613452`.

Gaspers:2009:ETA

[GKLT09] Serge Gaspers, Dieter Kratsch, Mathieu Liedloff, and Ioan Todinca. Exponential time algorithms for the minimum dominating set problem on some graph classes. *ACM Transactions on Algorithms*, 6(1):9:1–9:??, December 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Golovnev:2016:FIS

[GKM16] Alexander Golovnev, Alexander S. Kulikov, and Ivan Mihajlin. Families with infants: Speeding up algorithms for NP-hard problems using FFT. *ACM Transactions on Algorithms*, 12(3):35:1–35:??, June 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Grandoni:2008:DWV

[GKP08] Fabrizio Grandoni, Jochen Könemann, and Alessandro Panconesi. Distributed weighted vertex cover via maximal matchings. *ACM Transactions on Algorithms*, 5(1):6:1–6:12, November 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Grzesik:2022:PTA

[GKPP22] Andrzej Grzesik, Tereza Klimosová, Marcin Pilipczuk, and Michał Pilipczuk. Polynomial-time algorithm for maximum weight independent set on P_6-free graphs. *ACM Transactions on Algorithms*, 18(1):4:1–4:57, January 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3414473`.

Georgiadis:2011:DSM

[GKS+11] Loukas Georgiadis, Haim Kaplan, Nira Shafrir, Robert E. Tarjan, and Renato F. Werneck. Data structures for mergeable trees. *ACM Transactions on Algorithms*, 7(2):14:1–14:??, March 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Guo:2021:ZHP

[GLLZ21] Heng Guo, Chao Liao, Pinyan Lu, and Chihao Zhang. Zeros of Holant problems: Locations and algorithms. *ACM Transactions on Algorithms*, 17(1):4:1–4:25, January 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3418056`.

Gudmundsson:2008:ADO

[GLNS08] Joachim Gudmundsson, Christos Levcopoulos, Giri Narasimhan, and Michiel Smid. Approximate distance oracles for geometric spanners. *ACM Transactions on Algorithms*, 4(1):10:1–10:??, March 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gonzalez:2006:MTC

[GLP06] Teofilo F. Gonzalez, Joseph Y.-T. Leung, and Michael Pinedo. Minimizing total completion time on uniform machines with deadline constraints. *ACM Transactions on Algorithms*, 2(1):95–115, January 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Guerraoui:2008:CMA

[GLPP08] Rachid Guerraoui, Ron R. Levy, Bastian Pochon, and Jim Pugh. The collective memory of amnesic processes. *ACM Transactions on Algorithms*, 4(1):12:1–12:??, March 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gilbert:2017:ASR

[GLPS17] Anna C. Gilbert, Yi Li, Ely Porat, and Martin J. Strauss. For-all sparse recovery in near-optimal time. *ACM Transactions on Algorithms*, 13(3):32:1–32:??, August 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gao:2010:CLH

[GLS10] Jie Gao, Michael Langberg, and Leonard J. Schulman. Clustering lines in high-dimensional space: Classification of incomplete data. *ACM Transactions on Algorithms*, 7(1):8:1–8:??, November 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gishboliner:2023:CHC

[GLSY23] Lior Gishboliner, Yevgeny Levanzov, Asaf Shapira, and Raphael Yuster. Counting homomorphic cycles in degenerate graphs. *ACM Transactions on Algorithms*, 19(1):2:1–2:??, January 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3560820`.

Guha:2012:AUR

[GM12] Sudipto Guha and Kamesh Munagala. Adaptive uncertainty resolution in Bayesian combinatorial optimization problems. *ACM Transactions on Algorithms*, 8(1):1:1–1:??, January 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Grohe:2014:CSF

[GM14] Martin Grohe and Dániel Marx. Constraint solving via fractional edge covers. *ACM Transactions on Algorithms*, 11(1):4:1–4:??, August 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Goel:2005:AMF

[GMP05] Ashish Goel, Adam Meyerson, and Serge Plotkin. Approximate majorization and fair online load balancing. *ACM Transactions on Algorithms*, 1(2):338–349, October 2005. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Glacet:2017:TVI

[GMP17] Christian Glacet, Avery Miller, and Andrzej Pelc. Time vs. information tradeoffs for leader election in anonymous trees. *ACM Transactions on Algorithms*, 13(3):31:1–31:??, August 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ganesh:2023:RAT

[GMP23a] Arun Ganesh, Bruce M. Maggs, and Debmalya Panigrahi. Robust algorithms for TSP and Steiner tree. *ACM Transactions on Algorithms*, 19(2):12:1–12:??, April 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3570957`.

Ganesh:2023:UAC

[GMP23b] Arun Ganesh, Bruce M. Maggs, and Debmalya Panigrahi. Universal algorithms for clustering problems. *ACM Transactions on Algorithms*, 19(2):15:1–15:??, April 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3572840`.

Golebiewski:2019:EOC

[GMS19] Zbigniew Gołebiewski, Abram Magner, and Wojciech Szpankowski. Entropy and optimal compression of some general plane trees. *ACM Transactions on Algorithms*, 15(1):1–23, January 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3275444`.

Gairing:2011:RSF

[GMT11] Martin Gairing, Burkhard Monien, and Karsten Tiemann. Routing (un-) splittable flow in games with player-specific affine latency functions. *ACM Transactions on Algorithms*, 7(3):31:1–31:??, July 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Guha:2009:SEE

[GMV09] Sudipto Guha, Andrew McGregor, and Suresh Venkatasubramanian. Sublinear estimation of entropy and information distances. *ACM Transactions on Algorithms*, 5(4):35:1–35:??, October 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gawrychowski:2020:SMQ

[GMW20] Paweł Gawrychowski, Shay Mozes, and Oren Weimann. Submatrix maximum queries in Monge and partial Monge matrices are equivalent to predecessor search. *ACM Transactions on Algorithms*, 16(2):16:1–16:24, April 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3381416`.

Gabow:2008:FLD

[GN08] Harold N. Gabow and Shuxin Nie. Finding a long directed cycle. *ACM Transactions on Algorithms*, 4(1):7:1–7:??, March 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Goel:2014:PBP

[GN14] Ashish Goel and Hamid Nazerzadeh. Price-based protocols for fair resource allocation: Convergence time analysis and extension to Leontief utilities. *ACM Transactions on Algorithms*, 10(2): 5:1–5:??, February 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gortz:2015:MMM

[GNR15] Inge Li Gørtz, Viswanath Nagarajan, and R. Ravi. Minimum makespan multi-vehicle dial-a-ride. *ACM Transactions on Algorithms*, 11(3):23:1–23:??, January 2015. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gupta:2016:RMO

[GNR16] Anupam Gupta, Viswanath Nagarajan, and R. Ravi. Robust and MaxMin optimization under matroid and knapsack uncertainty sets. *ACM Transactions on Algorithms*, 12(1):10:1–10:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Grohe:2020:IIT

[GNSW20] Martin Grohe, Daniel Neuen, Pascal Schweitzer, and Daniel Wiebking. An improved isomorphism test for bounded-tree-width graphs. *ACM Transactions on Algorithms*, 16(3):34:1–34:31, June 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3382082`.

Goldwasser:2008:ONS

[GP08] Michael H. Goldwasser and Mark Pedigo. Online nonpreemptive scheduling of equal-length jobs on two identical machines. *ACM*

Transactions on Algorithms, 5(1):2:1–2:18, November 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gorain:2019:DGE

[GP19] Barun Gorain and Andrzej Pelc. Deterministic graph exploration with advice. *ACM Transactions on Algorithms*, 15(1): 1–17, January 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3280823`.

Gerke:2015:MML

[GPSS15] Stefanie Gerke, Konstantinos Panagiotou, Justus Schwartz, and Angelika Steger. Maximizing the minimum load for random processing times. *ACM Transactions on Algorithms*, 11(3):17:1–17:??, January 2015. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gordon:2010:CWT

[GR10] Eyal Gordon and Adi Rosén. Competitive weighted throughput analysis of greedy protocols on DAGs. *ACM Transactions on Algorithms*, 6(3):50:1–50:??, June 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Geary:2006:SOT

[GRR06] Richard F. Geary, Rajeev Raman, and Venkatesh Raman. Succinct ordinal trees with level-ancestor queries. *ACM Transactions on Algorithms*, 2(4):510–534, October 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ganian:2017:DAT

[GRS17] Robert Ganian, M. S. Ramanujan, and Stefan Szeider. Discovering archipelagos of tractability for constraint satisfaction and counting. *ACM Transactions on Algorithms*, 13(2):29:1–29:??, May 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Guruswami:2016:BUS

[GRSW16] Venkatesan Guruswami, Prasad Raghavendra, Rishi Saket, and Yi Wu. Bypassing UGC from some optimal geometric inapproximability results. *ACM Transactions on Algorithms*, 12(1):6:1–6:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gamzu:2009:IOA

[GS09] Iftah Gamzu and Danny Segev. Improved online algorithms for the sorting buffer problem on line metrics. *ACM Transactions on Algorithms*, 6(1):15:1–15:??, December 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gaspers:2017:SMC

[GS17] Serge Gaspers and Gregory B. Sorkin. Separate, measure and conquer: Faster polynomial-space algorithms for Max 2-CSP and counting dominating sets. *ACM Transactions on Algorithms*, 13 (4):44:1–44:??, December 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gold:2018:DTW

[GS18] Omer Gold and Micha Sharir. Dynamic time warping and geometric edit distance: Breaking the quadratic barrier. *ACM Transactions on Algorithms*, 14(4):1–17, October 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3230734`.

Golovach:2023:HTM

[GST23] Petr A. Golovach, Giannos Stamoulis, and Dimitrios M. Thilikos. Hitting topological minor models in planar graphs is fixed parameter tractable. *ACM Transactions on Algorithms*, 19(3):23:1–23:??, July 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3583688`.

Galvez:2020:SEO

[GSV20] Waldo Gálvez, José A. Soto, and José Verschae. Symmetry exploitation for online machine covering with bounded migration. *ACM Transactions on Algorithms*, 16(4):43:1–43:22, September 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3397535`.

Gudmundsson:2024:MMQ

[GSW24] Joachim Gudmundsson, Martin P. Seybold, and Sampson Wong. Map matching queries on realistic input graphs under the Fréchet distance. *ACM Transactions on Algorithms*, 20(2):14:1–14:??, April 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3643683`.

Gu:2008:OBD

[GT08] Qian-Ping Gu and Hisao Tamaki. Optimal branch-decomposition of planar graphs in $O(n^3)$ time. *ACM Transactions on Algorithms*, 4(3):30:1–30:??, June 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Georgiadis:2016:ADT

[GT16a] Loukas Georgiadis and Robert E. Tarjan. Addendum to "Dominator Tree Certification and Divergent Spanning Trees". *ACM Transactions on Algorithms*, 12(4):56:1–56:??, September 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Georgiadis:2016:DTC

[GT16b] Loukas Georgiadis and Robert E. Tarjan. Dominator tree certification and divergent spanning trees. *ACM Transactions on Algorithms*, 12(1):11:1–11:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Gupta:2007:CPD

[GW07] Himanshu Gupta and Rephael Wenger. Constructing pairwise disjoint paths with few links. *ACM Transactions on Algorithms*, 3(3):26:1–26:??, August 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Grandoni:2020:FRP

[GW20] Fabrizio Grandoni and Virginia Vassilevska Williams. Faster replacement paths and distance sensitivity oracles. *ACM Transactions on Algorithms*, 16(1):15:1–15:25, January 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3365835`.

Gudmundsson:2022:IDM

[GW22] Joachim Gudmundsson and Sampson Wong. Improving the dilation of a metric graph by adding edges. *ACM Transactions on Algorithms*, 18(3):20:1–20:??, July 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3517807`.

Gutin:2021:RSP

[GWZ21] Gregory Gutin, Magnus Wahlström, and Meirav Zehavi. r-simple k-path and related problems parameterized by k/r. *ACM Transactions on Algorithms*, 17(1):10:1–10:64, January 2021. CODEN

???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3439721`.

Halldorsson:2012:WSP

[Hal12] Magnús M. Halldórsson. Wireless scheduling with power control. *ACM Transactions on Algorithms*, 9(1):7:1–7:??, December 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Han:2007:OPS

[Han07] Yijie Han. Optimal parallel selection. *ACM Transactions on Algorithms*, 3(4):38:1–38:??, November 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Harris:2016:LMT

[Har16] David G. Harris. Lopsidependency in the Moser–Tardos framework: Beyond the Lopsided Lovász Local Lemma. *ACM Transactions on Algorithms*, 13(1):17:1–17:??, December 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Harris:2018:DPA

[Har18] David G. Harris. Deterministic parallel algorithms for fooling polylogarithmic juntas and the Lovász local lemma. *ACM Transactions on Algorithms*, 14(4):1–24, October 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3230651`.

Harris:2019:DCB

[Har19] David G. Harris. Derandomized concentration bounds for polynomials, and hypergraph maximal independent set. *ACM Transactions on Algorithms*, 15(3):1–29, July 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3326171`.

Harris:2021:ORO

[Har21] David G. Harris. Oblivious resampling oracles and parallel algorithms for the lopsided Lovász local lemma. *ACM Transactions on Algorithms*, 17(1):1:1–1:32, January 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3392035`.

Han:2011:NUB

[HCT+11] Xin Han, Francis Y. L. Chin, Hing-Fung Ting, Guochuan Zhang, and Yong Zhang. A new upper bound 2.5545 on 2D Online

Bin Packing. *ACM Transactions on Algorithms*, 7(4):50:1–50:??, September 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Hegde:2006:FSE

[Heg06] Rajneesh Hegde. Finding 3-shredders efficiently. *ACM Transactions on Algorithms*, 2(1):14–43, January 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Haeupler:2017:PAC

[HH17] Bernhard Haeupler and David G. Harris. Parallel algorithms and concentration bounds for the Lovász local lemma via witness DAGs. *ACM Transactions on Algorithms*, 13(4):53:1–53:??, December 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Hajiaghayi:2016:CFA

[HHL+16] Mohammadtaghi Hajiaghayi, Wei Hu, Jian Li, Shi Li, and Barna Saha. A constant factor approximation algorithm for fault-tolerant k-median. *ACM Transactions on Algorithms*, 12(3):36:1–36:??, June 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Hujdurovic:2018:PPB

[HHM+18] Ademir Hujdurović, Edin Husić, Martin Milanić, Romeo Rizzi, and Alexandru I. Tomescu. Perfect phylogenies via branchings in acyclic digraphs and a generalization of Dilworth's theorem. *ACM Transactions on Algorithms*, 14(2):20:1–20:??, June 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Halldorsson:2007:IAR

[HIMY07] Magnús M. Halldórsson, Kazuo Iwama, Shuichi Miyazaki, and Hiroki Yanagisawa. Improved approximation results for the stable marriage problem. *ACM Transactions on Algorithms*, 3(3):30:1–30:??, August 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Hirai:2019:TCB

[HIMŽ19] Hiroshi Hirai, Yuni Iwamasa, Kazuo Murota, and Stanislav Živný. A tractable class of binary VCSPs via M-convex intersection. *ACM Transactions on Algorithms*, 15(3):1–41, July 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3329862`.

Hirai:2019:DDA

[Hir19] Hiroshi Hirai. A dual descent algorithm for node-capacitated multiflow problems and its applications. *ACM Transactions on Algorithms*, 15(1):1–24, January 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3291531`.

Hohn:2015:PSR

[HJ15] Wiebke Höhn and Tobias Jacobs. On the performance of Smith's rule in single-machine scheduling with nonlinear cost. *ACM Transactions on Algorithms*, 11(4):25:1–25:??, June 2015. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Hwang:2017:EAS

[HJT17] Hsien-Kuei Hwang, Svante Janson, and Tsung-Hsi Tsai. Exact and asymptotic solutions of a divide-and-conquer recurrence dividing at half: Theory and applications. *ACM Transactions on Algorithms*, 13(4):47:1–47:??, December 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Hoefer:2022:IAS

[HK22] Martin Hoefer and Tsvi Kopelowitz. Introduction to the ACM-SIAM Symposium on Discrete Algorithms (SODA) 2019 special issue. *ACM Transactions on Algorithms*, 18(1):4e:1–4e:2, January 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3508460`.

Harris:2025:PEG

[HK25] David G. Harris and Vladimir Kolmogorov. Parameter estimation for Gibbs distributions. *ACM Transactions on Algorithms*, 21(1):3:1–3:??, January 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Hajiaghayi:2016:AAM

[HKKK16] Mohammad Taghi Hajiaghayi, Rohit Khandekar, Mohammad Reza Khani, and Guy Kortsarz. Approximation algorithms for movement repairmen. *ACM Transactions on Algorithms*, 12(4):54:1–54:??, September 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Hajiaghayi:2012:PCS

[HKKN12] Mohammadtaghi Hajiaghayi, Rohit Khandekar, Guy Kortsarz, and Zeev Nutov. Prize-collecting Steiner network problems. *ACM*

Transactions on Algorithms, 9(1):2:1–2:??, December 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Haeupler:2012:ICD

[HKM+12] Bernhard Haeupler, Telikepalli Kavitha, Rogers Mathew, Siddhartha Sen, and Robert E. Tarjan. Incremental Cycle Detection, Topological Ordering, and Strong Component Maintenance. *ACM Transactions on Algorithms*, 8(1):3:1–3:??, January 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Henzinger:2017:STM

[HKN17] Monika Henzinger, Sebastian Krinninger, and Danupon Nanongkai. Sublinear-time maintenance of breadth-first spanning trees in partially dynamic networks. *ACM Transactions on Algorithms*, 13 (4):51:1–51:??, December 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Hopkins:2018:IGD

[HKP+18] Samuel B. Hopkins, Pravesh Kothari, Aaron Henry Potechin, Prasad Raghavendra, and Tselil Schramm. On the integrality gap of degree-4 sum of squares for planted clique. *ACM Transactions on Algorithms*, 14(3):28:1–28:??, July 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3178538`.

Hajiaghayi:2007:ORN

[HKRL07] Mohammad Taghi Hajiaghayi, Robert D. Kleinberg, Harald Räcke, and Tom Leighton. Oblivious routing on node-capacitated and directed graphs. *ACM Transactions on Algorithms*, 3(4): 51:1–51:??, November 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Halldorsson:2011:SEC

[HKS11] Magnús M. Halldórsson, Guy Kortsarz, and Maxim Sviridenko. Sum edge coloring of multigraphs via configuration LP. *ACM Transactions on Algorithms*, 7(2):22:1–22:21, March 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Hansen:2017:HH

[HKTZ17] Thomas Dueholm Hansen, Haim Kaplan, Robert E. Tarjan, and Uri Zwick. Hollow heaps. *ACM Transactions on Algorithms*, 13(3):42:1–42:??, August 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Hassin:2006:MGV

[HL06a] Refael Hassin and Asaf Levin. The minimum generalized vertex cover problem. *ACM Transactions on Algorithms*, 2(1):66–78, January 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Huo:2006:MMF

[HL06b] Yumei Huo and Joseph Y.-T. Leung. Minimizing mean flow time for UET tasks. *ACM Transactions on Algorithms*, 2(2):244–262, April 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Hochbaum:2013:AAM

[HL13] Dorit S. Hochbaum and Asaf Levin. Approximation algorithms for a minimization variant of the order-preserving submatrices and for biclustering problems. *ACM Transactions on Algorithms*, 9(2):19:1–19:??, March 2013. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Hazay:2007:APM

[HLS07] Carmit Hazay, Moshe Lewenstein, and Dina Sokol. Approximate parameterized matching. *ACM Transactions on Algorithms*, 3(3): 29:1–29:??, August 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Hassin:2009:AMQ

[HLS09] Refael Hassin, Asaf Levin, and Maxim Sviridenko. Approximating the minimum quadratic assignment problems. *ACM Transactions on Algorithms*, 6(1):18:1–18:??, December 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Hershberger:2007:FSS

[HMS07] John Hershberger, Matthew Maxel, and Subhash Suri. Finding the k shortest simple paths: a new algorithm and its implementation. *ACM Transactions on Algorithms*, 3(4):45:1–45:??, November 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

He:2012:SOT

[HMS12] Meng He, J. Ian Munro, and Srinivasa Rao Satti. Succinct ordinal trees based on tree covering. *ACM Transactions on Algorithms*,

8(4):42:1–42:??, September 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Hermelin:2019:DWS

[HMVW19] Danny Hermelin, Matthias Mnich, Erik Jan Van Leeuwen, and Gerhard Woeginger. Domination when the stars are out. *ACM Transactions on Algorithms*, 15(2):1–90, May 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3301445`.

He:2016:DSP

[HMZ16] Meng He, J. Ian Munro, and Gelin Zhou. Data structures for path queries. *ACM Transactions on Algorithms*, 12(4):53:1–53:??, September 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Henzinger:2022:CTD

[HP22] Monika Henzinger and Pan Peng. Constant-time dynamic $(\Delta + 1)$-coloring. *ACM Transactions on Algorithms*, 18(2):16:1–16:21, April 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3501403`.

Har-Peled:2021:JCP

[HPJ21] Sariel Har-Peled and Mitchell Jones. Journey to the center of the point set. *ACM Transactions on Algorithms*, 17(1):9:1–9:21, January 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3431285`.

Har-Peled:2023:RSM

[HPMO23] Sariel Har-Peled, Manor Mendel, and Dániel Oláh. Reliable spanners for metric spaces. *ACM Transactions on Algorithms*, 19(1):7:1–7:??, January 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3563356`.

Har-Peled:2014:FDR

[HPR14] Sariel Har-Peled and Benjamin Raichel. The Fréchet distance revisited and extended. *ACM Transactions on Algorithms*, 10(1):3:1–3:??, January 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Harris:2019:LMC

[HPST19] David G. Harris, Thomas Pensyl, Aravind Srinivasan, and Khoa Trinh. A lottery model for center-type problems with outliers. *ACM Transactions on Algorithms*, 15(3):1–25, July 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3311953`.

Hassin:2006:RST

[HS06] Refael Hassin and Danny Segev. Robust subgraphs for trees and paths. *ACM Transactions on Algorithms*, 2(2):263–281, April 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Hay:2009:JRM

[HS09] David Hay and Gabriel Scalosub. Jitter regulation for multiple streams. *ACM Transactions on Algorithms*, 6(1):12:1–12:??, December 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Harris:2017:AEA

[HS17] David G. Harris and Aravind Srinivasan. Algorithmic and enumerative aspects of the Moser–Tardos distribution. *ACM Transactions on Algorithms*, 13(3):33:1–33:??, August 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Held:2018:BAC

[HS18] Stephan Held and Sophie Theresa Spirkl. Binary adder circuits of asymptotically minimum depth, linear size, and fan-out two. *ACM Transactions on Algorithms*, 14(1):4:1–4:??, January 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Hershberger:2007:DSS

[HSB07] John Hershberger, Subhash Suri, and Amit Bhosle. On the difficulty of some shortest path problems. *ACM Transactions on Algorithms*, 3(1):??, February 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Hayward:2007:IAW

[HSS07] Ryan B. Hayward, Jeremy P. Spinrad, and R. Sritharan. Improved algorithms for weakly chordal graphs. *ACM Transactions on Algorithms*, 3(2):14:1–14:??, May 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Haslegrave:2022:TDB

[HSS22] John Haslegrave, Thomas Sauerwald, and John Sylvester. Time dependent biased random walks. *ACM Transactions on Algorithms*, 18(2):12:1–12:30, April 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3498848`.

Haeupler:2015:RBT

[HST15] Bernhard Haeupler, Siddhartha Sen, and Robert E. Tarjan. Rank-balanced trees. *ACM Transactions on Algorithms*, 11(4):30:1–30:??, June 2015. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Hajiaghayi:2010:FSI

[HT10] Mohammad T. Hajiaghayi and Shang-Hua Teng. Foreword to special issue on SODA 2008. *ACM Transactions on Algorithms*, 6(4):58:1–58:??, August 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Halldorsson:2021:SBO

[HT21] Magnús M. Halldórsson and Tigran Tonoyan. Sparse backbone and optimal distributed SINR algorithms. *ACM Transactions on Algorithms*, 17(2):17:1–17:34, June 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3452937`.

Huang:2019:OVW

[HTWZ19] Zhiyi Huang, Zhihao Gavin Tang, Xiaowei Wu, and Yuhao Zhang. Online vertex-weighted bipartite matching: Beating $1 - 1/e$ with random arrivals. *ACM Transactions on Algorithms*, 15(3):1–15, July 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3326169`.

Hsu:2020:NAF

[HU20] Chloe Ching-Yun Hsu and Chris Umans. A new algorithm for fast generalized DFTs. *ACM Transactions on Algorithms*, 16(1):4:1–4:20, January 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3301313`.

Hunkenschroder:2019:AAM

[HVV19] Christoph Hunkenschröder, Santosh Vempala, and Adrian Vetta. A 4/3-approximation algorithm for the minimum 2-edge con-

nected subgraph problem. *ACM Transactions on Algorithms*, 15 (4):1–28, October 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3341599`.

Heydrich:2019:FAS

[HW19] Sandy Heydrich and Andreas Wiese. Faster approximation schemes for the two-dimensional knapsack problem. *ACM Transactions on Algorithms*, 15(4):1–28, October 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3338512`.

Ibarra:2008:FDA

[Iba08] Louis Ibarra. Fully dynamic algorithms for chordal graphs and split graphs. *ACM Transactions on Algorithms*, 4(4):40:1–40:??, August 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ito:2009:EIC

[II09] Hiro Ito and Kazuo Iwama. Enumeration of isolated cliques and pseudo-cliques. *ACM Transactions on Algorithms*, 5(4):40:1–40:??, October 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ito:2023:MEF

[IIK+23] Takehiro Ito, Yuni Iwamasa, Naonori Kakimura, Naoyuki Kamiyama, Yusuke Kobayashi, Shun-Ichi Maezawa, Yuta Nozaki, Yoshio Okamoto, and Kenta Ozeki. Monotone edge flips to an orientation of maximum edge-connectivity à la Nash–Williams. *ACM Transactions on Algorithms*, 19(1):6:1–6:??, January 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3561302`.

Ito:2025:RPC

[IIK+25] Takehiro Ito, Yuni Iwamasa, Naonori Kakimura, Yusuke Kobayashi, Shun-Ichi Maezawa, Yuta Nozaki, Yoshio Okamoto, and Kenta Ozeki. Rerouting planar curves and disjoint paths. *ACM Transactions on Algorithms*, 21(2):20:1–20:??, April 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Irving:2006:RMM

[IKM+06] Robert W. Irving, Telikepalli Kavitha, Kurt Mehlhorn, Dimitrios Michail, and Katarzyna E. Paluch. Rank-maximal matchings.

ACM Transactions on Algorithms, 2(4):602–610, October 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Kawarabayashi:2025:AIM

[iKMNZ25] Ken ichi Kawarabayashi, Bojan Mohar, Roman Nedela, and Peter Zeman. Automorphisms and isomorphisms of maps in linear time. *ACM Transactions on Algorithms*, 21(1):6:1–6:??, January 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Im:2012:OSA

[IM12] Sungjin Im and Benjamin Moseley. An online scalable algorithm for average flow time in broadcast scheduling. *ACM Transactions on Algorithms*, 8(4):39:1–39:??, September 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Immorlica:2008:LCM

[IMM08] Nicole Immorlica, Mohammad Mahdian, and Vahab S. Mirrokni. Limitations of cross-monotonic cost-sharing schemes. *ACM Transactions on Algorithms*, 4(2):24:1–24:??, May 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Iwama:2010:AAS

[IMY10] Kazuo Iwama, Shuichi Miyazaki, and Hiroki Yanagisawa. Approximation algorithms for the sex-equal stable marriage problem. *ACM Transactions on Algorithms*, 7(1):2:1–2:??, November 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Indyk:2007:NNP

[IN07] Piotr Indyk and Assaf Naor. Nearest-neighbor-preserving embeddings. *ACM Transactions on Algorithms*, 3(3):31:1–31:??, August 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Im:2016:MLS

[INV16] Sungjin Im, Viswanath Nagarajan, and Ruben Van Der Zwaan. Minimum latency submodular cover. *ACM Transactions on Algorithms*, 13(1):13:1–13:??, December 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Izsak:2011:CPM

[IP11] Alexander Izsak and Nicholas Pippenger. Carry propagation in multiplication by constants. *ACM Transactions on Algorithms*, 7

(4):54:1–54:??, September 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Irani:2007:APS

[ISG07] Sandy Irani, Sandeep Shukla, and Rajesh Gupta. Algorithms for power savings. *ACM Transactions on Algorithms*, 3(4):41:1–41:??, November 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Jacobs:2011:CFA

[Jac11] Tobias Jacobs. Constant factor approximations for the hotlink assignment problem. *ACM Transactions on Algorithms*, 7(2): 16:1–16:??, March 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Janson:2005:IDL

[Jan05] Svante Janson. Individual displacements for linear probing hashing with different insertion policies. *ACM Transactions on Algorithms*, 1(2):177–213, October 2005. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Jin:2022:GSI

[JCCW22] Kai Jin, Siu-Wing Cheng, Man-Kwun Chiu, and Man Ting Wong. A generalization of self-improving algorithms. *ACM Transactions on Algorithms*, 18(3):29:1–29:??, July 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3531227`.

Jez:2015:FFC

[Jez15] Artur Jez. Faster fully compressed pattern matching by recompression. *ACM Transactions on Algorithms*, 11(3):20:1–20:??, January 2015. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Jez:2012:OSP

[JLSS12] Lukasz Jez, Fei Li, Jay Sethuraman, and Clifford Stein. Online scheduling of packets with agreeable deadlines. *ACM Transactions on Algorithms*, 9(1):5:1–5:??, December 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Jansen:2019:ASM

[JMR19] Klaus Jansen, Marten Maack, and Malin Rau. Approximation schemes for machine scheduling with resource (in-)dependent pro-

cessing times. *ACM Transactions on Algorithms*, 15(3):1–28, July 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3302250`.

Joseph:2022:ESL

[JMR22] Matthew Joseph, Jieming Mao, and Aaron Roth. Exponential separations in local privacy. *ACM Transactions on Algorithms*, 18(4):32:1–32:??, October 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3459095`.

Jin:2024:QSU

[JN24] Ce Jin and Jakob Nogler. Quantum speed-ups for string synchronizing sets, longest common substring, and k-mismatch matching. *ACM Transactions on Algorithms*, 20(4):32:1–32:??, October 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3672395`.

Johnson:2005:NCC

[Joh05] David S. Johnson. The NP-completeness column. *ACM Transactions on Algorithms*, 1(1):160–176, July 2005. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Johnson:2006:NCC

[Joh06] David S. Johnson. The NP-completeness column: The many limits on approximation. *ACM Transactions on Algorithms*, 2(3): 473–489, July 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Johnson:2007:NCC

[Joh07] David S. Johnson. The NP-completeness column: Finding needles in haystacks. *ACM Transactions on Algorithms*, 3(2):24:1–24:??, May 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Jiang:2022:OAW

[JPS22] Zhihao Jiang, Debmalya Panigrahi, and Kevin Sun. Online algorithms for weighted paging with predictions. *ACM Transactions on Algorithms*, 18(4):39:1–39:??, October 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3548774`.

Jothi:2005:AAC

[JR05] Raja Jothi and Balaji Raghavachari. Approximation algorithms for the capacitated minimum spanning tree problem and its variants in network design. *ACM Transactions on Algorithms*, 1(2): 265–282, October 2005. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Janson:2007:PFS

[JS07] Svante Janson and Wojciech Szpankowski. Partial fillup and search time in LC tries. *ACM Transactions on Algorithms*, 3 (4):44:1–44:??, November 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Jayaprakash:2023:ASC

[JS23] Aditya Jayaprakash and Mohammad R. Salavatipour. Approximation schemes for capacitated vehicle routing on graphs of bounded treewidth, bounded doubling, or highway dimension. *ACM Transactions on Algorithms*, 19(2):20:1–20:??, April 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3582500`.

Juge:2024:ASS

[Jug24] Vincent Jugé. Adaptive shivers sort: an alternative sorting algorithm. *ACM Transactions on Algorithms*, 20(4):31:1–31:55, October 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3664195`.

Jayram:2013:OBJ

[JW13] T. S. Jayram and David P. Woodruff. Optimal bounds for Johnson–Lindenstrauss Transforms and streaming problems with subconstant error. *ACM Transactions on Algorithms*, 9(3):26:1–26:??, June 2013. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Jayaram:2023:TOM

[JW23] Rajesh Jayaram and David P. Woodruff. Towards optimal moment estimation in streaming and distributed models. *ACM Transactions on Algorithms*, 19(3):27:1–27:??, July 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3596494`.

Jansen:2006:AAS

[JZ06] Klaus Jansen and Hu Zhang. An approximation algorithm for scheduling malleable tasks under general precedence constraints. *ACM Transactions on Algorithms*, 2(3):416–434, July 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Kamath:2022:ISI

[KADK22] Gautam Kamath, Sepehr Assadi, Anne Driemel, and Janardhan Kulkarni. Introduction to the special issue on ACM-SIAM Symposium on Discrete Algorithms (SODA) 2020. *ACM Transactions on Algorithms*, 18(4):30:1–30:??, October 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3561912`.

Karakostas:2008:FAS

[Kar08] George Karakostas. Faster approximation schemes for fractional multicommodity flow problems. *ACM Transactions on Algorithms*, 4(1):13:1–13:17, March 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Karakostas:2009:BAR

[Kar09] George Karakostas. A better approximation ratio for the vertex cover problem. *ACM Transactions on Algorithms*, 5(4):41:1–41:??, October 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Kauers:2007:ADZ

[Kau07] Manuel Kauers. An algorithm for deciding zero equivalence of nested polynomially recurrent sequences. *ACM Transactions on Algorithms*, 3(2):18:1–18:??, May 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Kavitha:2024:PMO

[Kav24] Telikepalli Kavitha. Popular matchings with one-sided bias. *ACM Transactions on Algorithms*, 20(1):8:1–8:??, January 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3638764`.

Katriel:2006:OTO

[KB06] Irit Katriel and Hans L. Bodlaender. Online topological ordering. *ACM Transactions on Algorithms*, 2(3):364–379, July 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Kisfaludi-Bak:2020:NET

[KBNvL20] Sándor Kisfaludi-Bak, Jesper Nederlof, and Erik Jan van Leeuwen. Nearly ETH-tight algorithms for planar Steiner tree with terminals on few faces. *ACM Transactions on Algorithms*, 16 (3):28:1–28:30, June 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3371389`.

Khuller:2005:PC

[Khu05] Samir Khuller. Problems column. *ACM Transactions on Algorithms*, 1(1):157–159, July 2005. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Khuller:2006:PC

[Khu06] Samir Khuller. Problems column. *ACM Transactions on Algorithms*, 2(1):130–134, January 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Khuller:2007:PC

[Khu07] Samir Khuller. Problems column. *ACM Transactions on Algorithms*, 3(3):35:1–35:??, August 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Kowalik:2006:OBL

[KK06] Lukasz Kowalik and Maciej Kurowski. Oracles for bounded-length shortest paths in planar graphs. *ACM Transactions on Algorithms*, 2(3):335–363, July 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Kawarabayashi:2013:LAA

[KK13] Ken-Ichi Kawarabayashi and Yusuke Kobayashi. An $O(\log n)$-approximation algorithm for the edge-disjoint paths problem in Eulerian planar graphs. *ACM Transactions on Algorithms*, 9(2): 16:1–16:??, March 2013. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Kawarabayashi:2016:IAA

[KK16] Ken-Ichi Kawarabayashi and Yusuke Kobayashi. An improved approximation algorithm for the edge-disjoint paths problem with congestion two. *ACM Transactions on Algorithms*, 13(1):5:1–5:??, December 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Kapron:2010:FAB

[KKK+10] Bruce M. Kapron, David Kempe, Valerie King, Jared Saia, and Vishal Sanwalani. Fast asynchronous Byzantine agreement and leader election with full information. *ACM Transactions on Algorithms*, 6(4):68:1–68:??, August 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Karppa:2018:FSA

[KKK18] Matti Karppa, Petteri Kaski, and Jukka Kohonen. A faster subquadratic algorithm for finding outlier correlations. *ACM Transactions on Algorithms*, 14(3):31:1–31:??, July 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3174804`.

Kranakis:2011:RRL

[KKM11] Evangelos Kranakis, Danny Krizanc, and Pat Morin. Randomized rendezvous with limited memory. *ACM Transactions on Algorithms*, 7(3):34:1–34:??, July 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Kim:2024:FAI

[KKPW24] Eun Jung Kim, Stefan Kratsch, Marcin Pilipczuk, and Magnus Wahlström. Flow-augmentation II: Undirected graphs. *ACM Transactions on Algorithms*, 20(2):12:1–12:??, April 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3641105`.

Kazda:2019:EDM

[KKR19] Alexandr Kazda, Vladimir Kolmogorov, and Michal Rolínek. Even delta-matroids and the complexity of planar Boolean CSPs. *ACM Transactions on Algorithms*, 15(2):1–33, May 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3230649`.

Kociumaka:2020:LTA

[KKR+20] Tomasz Kociumaka, Marcin Kubica, Jakub Radoszewski, Wojciech Rytter, and Tomasz Waleń. A linear-time algorithm for seeds computation. *ACM Transactions on Algorithms*, 16(2):27:1–27:23, April 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3386369`.

Karakostas:2012:FMT

[KKW12] George Karakostas, Stavros G. Kolliopoulos, and Jing Wang. An FPTAS for the minimum total weighted tardiness problem with a fixed number of distinct due dates. *ACM Transactions on Algorithms*, 8(4):40:1–40:??, September 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Korsh:2006:LGC

[KL06] James Korsh and Paul Lafollette. A loopless Gray code for rooted trees. *ACM Transactions on Algorithms*, 2(2):135–152, April 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Kim:2016:LKS

[KLP+16a] Eun Jung Kim, Alexander Langer, Christophe Paul, Felix Reidl, Peter Rossmanith, Ignasi Sau, and Somnath Sikdar. Linear kernels and single-exponential algorithms via protrusion decompositions. *ACM Transactions on Algorithms*, 12(2):21:1–21:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Koutis:2016:FSS

[KLP16b] Ioannis Koutis, Alex Levin, and Richard Peng. Faster spectral sparsification and numerical algorithms for SDD matrices. *ACM Transactions on Algorithms*, 12(2):17:1–17:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Kantor:2023:MPS

[KLPP23] Erez Kantor, Zvi Lotker, Merav Parter, and David Peleg. The minimum principle of SINR: a useful discretization tool for wireless communication. *ACM Transactions on Algorithms*, 19 (1):1:1–1:??, January 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3477144`.

Krokhin:2012:HLW

[KM12] Andrei Krokhin and Dániel Marx. On the hardness of losing weight. *ACM Transactions on Algorithms*, 8(2):19:1–19:??, April 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Khuller:2011:FFG

[KMM11] Samir Khuller, Azarakhsh Malekian, and Julián Mestre. To fill or not to fill: The gas station problem. *ACM Transactions on Algorithms*, 7(3):36:1–36:??, July 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Kavitha:2007:SSM

[KMMP07] Telikepalli Kavitha, Kurt Mehlhorn, Dimitrios Michail, and Katarzyna E. Paluch. Strongly stable matchings in time $O(nm)$ and extension to the hospitals-residents problem. *ACM Transactions on Algorithms*, 3(2):15:1–15:??, May 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Kaplan:2017:SMQ

[KMNS17] Haim Kaplan, Shay Mozes, Yahav Nussbaum, and Micha Sharir. Submatrix maximum queries in Monge matrices and partial Monge matrices, and their applications. *ACM Transactions on Algorithms*, 13(2):26:1–26:??, May 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Kumar:2016:DAE

[KMPS16] V. S. Anil Kumar, Madhav V. Marathe, Srinivasan Parthasarathy, and Aravind Srinivasan. Distributed algorithms for end-to-end packet scheduling in wireless ad hoc networks. *ACM Transactions on Algorithms*, 12(3):28:1–28:??, June 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Kavitha:2025:PAT

[KMSY25] Telikepalli Kavitha, Kazuhisa Makino, Ildikó Schlotter, and Yu Yokoi. Popular arborescences and their matroid generalization. *ACM Transactions on Algorithms*, 21(2):22:1–22:??, April 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Kanade:2023:CTG

[KMTS23] Varun Kanade, Frederik Mallmann-Trenn, and Thomas Sauerwald. On coalescence time in graphs: When is coalescing as fast as meeting? *ACM Transactions on Algorithms*, 19(2):18:1–18:??, April 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3576900`.

Klein:2010:SPD

[KMW10] Philip N. Klein, Shay Mozes, and Oren Weimann. Shortest paths in directed planar graphs with negative lengths: a linear-space $O(n \log^2 n)$-time algorithm. *ACM Transactions on Algorithms*, 6(2):30:1–30:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Kannan:2018:GRV

[KMZ18] Sampath Kannan, Claire Mathieu, and Hang Zhou. Graph reconstruction and verification. *ACM Transactions on Algorithms*, 14 (4):1–30, October 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3199606`.

Kortsarz:2016:SAA

[KN16] Guy Kortsarz and Zeev Nutov. A simplified 1.5-approximation algorithm for augmenting edge-connectivity of a graph from 1 to 2. *ACM Transactions on Algorithms*, 12(2):23:1–23:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Krivelevich:2007:AAH

[KNS+07] Michael Krivelevich, Zeev Nutov, Mohammad R. Salavatipour, Jacques Verstraete Yuster, and Raphael Yuster. Approximation algorithms and hardness results for cycle packing problems. *ACM Transactions on Algorithms*, 3(4):48:1–48:??, November 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Kolluri:2008:PGM

[Kol08] Ravikrishna Kolluri. Provably good moving least squares. *ACM Transactions on Algorithms*, 4(2):18:1–18:??, May 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Korman:2010:LSV

[Kor10] Amos Korman. Labeling schemes for vertex connectivity. *ACM Transactions on Algorithms*, 6(2):39:1–39:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Korman:2008:DRS

[KP08] Amos Korman and David Peleg. Dynamic routing schemes for graphs with low local density. *ACM Transactions on Algorithms*,

4(4):41:1–41:??, August 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Kratsch:2016:PLC

[KPR16] Stefan Kratsch, Geevarghese Philip, and Saurabh Ray. Point line cover: The easy kernel is essentially tight. *ACM Transactions on Algorithms*, 12(3):40:1–40:??, June 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Konrad:2016:ASM

[KR16] Christian Konrad and Adi Rosén. Approximating semi-matchings in streaming and in two-party communication. *ACM Transactions on Algorithms*, 12(3):32:1–32:??, June 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Korman:2018:DDP

[KR18] Amos Korman and Yoav Rodeh. The dependent doors problem: an investigation into sequential decisions without feedback. *ACM Transactions on Algorithms*, 14(4):1–23, October 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3218819`.

Klemz:2019:OLP

[KR19] Boris Klemz and Günter Rote. Ordered level planarity and its relationship to geodesic planarity, bi-monotonicity, and variations of level planarity. *ACM Transactions on Algorithms*, 15 (4):1–25, October 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3359587`.

Klein:2024:CTC

[KR24] Kim-Manuel Klein and Janina Reuter. Collapsing the tower-on the complexity of multistage stochastic IPs. *ACM Transactions on Algorithms*, 20(3):22:1–22:??, July 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3604554`.

Kratsch:2014:CNC

[Kra14] Stefan Kratsch. Co-nondeterminism in compositions: a kernelization lower bound for a Ramsey-type problem. *ACM Transactions on Algorithms*, 10(4):19:1–19:??, August 2014. ISSN 1549-6325 (print), 1549-6333 (electronic).

Kreutzer:2019:PKW

[KRS19] Stephan Kreutzer, Roman Rabinovich, and Sebastian Siebertz. Polynomial kernels and wideness properties of nowhere dense graph classes. *ACM Transactions on Algorithms*, 15(2):1–19, May 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3274652`.

Konjevod:2016:SFC

[KRX16] Goran Konjevod, Andréa W. Richa, and Donglin Xia. Scale-free compact routing schemes in networks of low doubling dimension. *ACM Transactions on Algorithms*, 12(3):27:1–27:??, June 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Kowalski:2008:WAD

[KS08] Dariusz R. Kowalski and Alexander A. Shvartsman. Writing-all deterministically and optimally using a nontrivial number of asynchronous processors. *ACM Transactions on Algorithms*, 4 (3):33:1–33:??, June 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Krishnaswamy:2016:IMU

[KS16] Ravishankar Krishnaswamy and Maxim Sviridenko. Inapproximability of the multilevel uncapacitated facility location problem. *ACM Transactions on Algorithms*, 13(1):1:1–1:??, December 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Kao:2009:RFD

[KSS09] Ming-Yang Kao, Manan Sanghi, and Robert Schweller. Randomized fast design of short DNA words. *ACM Transactions on Algorithms*, 5(4):43:1–43:??, October 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Kaplan:2008:THT

[KT08] Haim Kaplan and Robert Endre Tarjan. Thin heaps, thick heaps. *ACM Transactions on Algorithms*, 4(1):3:1–3:??, March 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Krauthgamer:2018:CLB

[KT18] Robert Krauthgamer and Ohad Trabelsi. Conditional lower bounds for all-pairs max-flow. *ACM Transactions on Algorithms*, 14(4):1–15, October 2018. CODEN ???? ISSN 1549-6325 (print),

1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3212510`.

Kannan:2019:LEF

[KT19] Sampath Kannan and Kevin T. Tian. Locating errors in faulty formulas. *ACM Transactions on Algorithms*, 15(3):1–13, July 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3313776`.

Kratsch:2014:CMR

[KW14] Stefan Kratsch and Magnus Wahlström. Compression via matroids: a randomized polynomial kernel for odd cycle transversal. *ACM Transactions on Algorithms*, 10(4):20:1–20:??, August 2014. ISSN 1549-6325 (print), 1549-6333 (electronic).

Koutis:2016:LAG

[KW16a] Ioannis Koutis and Ryan Williams. Limits and applications of group algebras for parameterized problems. *ACM Transactions on Algorithms*, 12(3):31:1–31:??, June 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Krauthgamer:2016:CTA

[KW16b] Robert Krauthgamer and Tal Wagner. Cheeger-type approximation for sparsest *st*-cut. *ACM Transactions on Algorithms*, 13 (1):14:1–14:??, December 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Koiliaris:2019:FPT

[KX19] Konstantinos Koiliaris and Chao Xu. Faster pseudopolynomial time algorithms for subset sum. *ACM Transactions on Algorithms*, 15(3):1–20, July 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3329863`.

Kaltofen:2013:MBM

[KY13] Erich Kaltofen and George Yuhasz. On the matrix Berlekamp–Massey algorithm. *ACM Transactions on Algorithms*, 9(4):33:1–33:??, September 2013. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Lacki:2013:IDA

[Lac13] Jakub Lacki. Improved deterministic algorithms for decremental reachability and strongly connected components. *ACM Transac-*

tions on Algorithms, 9(3):27:1–27:??, June 2013. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Lafond:2023:RLP

[Laf23] Manuel Lafond. Recognizing k-leaf powers in polynomial time, for constant k. *ACM Transactions on Algorithms*, 19(4):35:1–35:??, October 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3614094`.

Lau:2006:BRG

[Lau06] Lap Chi Lau. Bipartite roots of graphs. *ACM Transactions on Algorithms*, 2(2):178–208, April 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Lokshtanov:2021:ACP

[LBSZ21] Daniel Lokshtanov, Andreas BjÖrklund, Saket Saurabh, and Meirav Zehavi. Approximate counting of k-paths: Simpler, deterministic, and in polynomial space. *ACM Transactions on Algorithms*, 17(3):26:1–26:44, August 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3461477`.

Liu:2019:DFJ

[LCS+19] Zhengyang Liu, Xi Chen, Rocco A. Servedio, Ying Sheng, and Jinyu Xie. Distribution-free junta testing. *ACM Transactions on Algorithms*, 15(1):1–23, January 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3264434`.

Li:2009:PTA

[LDX09] Guojun Li, Xiaotie Deng, and Ying Xu. A polynomial-time approximation scheme for embedding hypergraph in a cycle. *ACM Transactions on Algorithms*, 5(2):20:1–20:??, March 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Levin:2009:GMC

[Lev09] Asaf Levin. A generalized minimum cost k-clustering. *ACM Transactions on Algorithms*, 5(4):36:1–36:??, October 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Li:2017:UCM

[Li17] Shi Li. On uniform capacitated k-median beyond the natural LP relaxation. *ACM Transactions on Algorithms*, 13(2):22:1–22:??,

May 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Lemire:2008:HBO

[LK08] Daniel Lemire and Owen Kaser. Hierarchical bin buffering: Online local moments for dynamic external memory arrays. *ACM Transactions on Algorithms*, 4(1):14:1–14:??, March 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Li:2025:PIG

[LL25] Shi Li and Bundit Laekhanukit. Polynomial integrality gap of flow LP for directed Steiner tree. *ACM Transactions on Algorithms*, 21(1):2:1–2:??, January 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Laber:2011:IAH

[LM11] Eduardo Laber and Marco Molinaro. Improved approximations for the hotlink assignment problem. *ACM Transactions on Algorithms*, 7(3):39:1–39:??, July 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Lokshtanov:2019:CIS

[LM19] Daniel Lokshtanov and Amer E. Mouawad. The complexity of independent set reconfiguration on bipartite graphs. *ACM Transactions on Algorithms*, 15(1):1–19, January 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3280825`.

Lokshtanov:2021:AFV

[LMM+21] Daniel Lokshtanov, Pranabendu Misra, Joydeep Mukherjee, Fahad Panolan, Geevarghese Philip, and Saket Saurabh. 2-approximating feedback vertex set in tournaments. *ACM Transactions on Algorithms*, 17(2):11:1–11:14, June 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3446969`.

Lubbecke:2016:NAO

[LMMW16] Elisabeth Lübbecke, Olaf Maurer, Nicole Megow, and Andreas Wiese. A new approach to online scheduling: Approximating the optimal competitive ratio. *ACM Transactions on Algorithms*, 13 (1):15:1–15:??, December 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Lokshtanov:2018:DTL

[LMPS18] Daniel Lokshtanov, Pranabendu Misra, Fahad Panolan, and Saket Saurabh. Deterministic truncation of linear matroids. *ACM Transactions on Algorithms*, 14(2):14:1–14:??, June 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Lokshtanov:2018:KAG

[LMS18] Daniel Lokshtanov, Dániel Marx, and Saket Saurabh. Known algorithms on graphs of bounded treewidth are probably optimal. *ACM Transactions on Algorithms*, 14(2):13:1–13:??, June 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Li:2022:DFV

[LN22] Jason Li and Jesper Nederlof. Detecting feedback vertex sets of size k in $O^\star(2.7k)$ time. *ACM Transactions on Algorithms*, 18 (4):34:1–34:??, October 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3504027`.

Lokshtanov:2014:FPA

[LNR+14] Daniel Lokshtanov, N. S. Narayanaswamy, Venkatesh Raman, M. S. Ramanujan, and Saket Saurabh. Faster parameterized algorithms using linear programming. *ACM Transactions on Algorithms*, 11(2):15:1–15:??, October 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Lopez-Ortiz:2006:F

[LOM06] Alejandro López-Ortiz and J. Ian Munro. Foreword. *ACM Transactions on Algorithms*, 2(4):491, October 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Lokshtanov:2020:CSI

[LPS+20] Daniel Lokshtanov, Fahad Panolan, Saket Saurabh, Roohani Sharma, and Meirav Zehavi. Covering small independent sets and separators with applications to parameterized algorithms. *ACM Transactions on Algorithms*, 16(3):32:1–32:31, June 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3379698`.

Li:2024:CEP

[LPS24] Shaohua Li, Marcin Pilipczuk, and Manuel Sorge. Cluster editing parameterized above modification-disjoint P_3-packings. *ACM*

Transactions on Algorithms, 20(1):3:1–3:??, January 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3626526`.

Lokshtanov:2018:IED

[LPV18] Daniel Lokshtanov, Marcin Pilipczuk, and Erik Jan Van Leeuwen. Independence and efficient domination on P_6-free graphs. *ACM Transactions on Algorithms*, 14(1):3:1–3:??, January 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Lee:2020:ISI

[LPW20] Yin Tat Lee, Marcin Pilipczuk, and David Woodruff. Introduction to the special issue on SODA'18. *ACM Transactions on Algorithms*, 16(1):1:1–1:2, January 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3368307`.

Levi:2015:QPT

[LR15] Reut Levi and Dana Ron. A quasi-polynomial time partition oracle for graphs with an excluded minor. *ACM Transactions on Algorithms*, 11(3):24:1–24:??, January 2015. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Lokshtanov:2018:LTP

[LRS18] Daniel Lokshtanov, M. S. Ramanujan, and Saket Saurabh. Linear time parameterized algorithms for subset feedback vertex set. *ACM Transactions on Algorithms*, 14(1):7:1–7:??, January 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Lee:2020:MMO

[LS20] Euiwoong Lee and Sahil Singla. Maximum matching in the online batch-arrival model. *ACM Transactions on Algorithms*, 16 (4):49:1–49:31, September 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3399676`.

Los:2024:IDT

[LS24] Dimitrios Los and Thomas Sauerwald. An improved drift theorem for balanced allocations. *ACM Transactions on Algorithms*, 20 (4):35:1–35:??, October 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3673900`.

Le:2024:GSE

[LT24] Hung Le and Cuong Than. Greedy spanners in Euclidean spaces admit sublinear separators. *ACM Transactions on Algorithms*, 20(3):23:1–23:??, July 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3590771`.

Lu:2008:BPS

[LY08] Hsueh-I Lu and Chia-Chi Yeh. Balanced parentheses strike back. *ACM Transactions on Algorithms*, 4(3):28:1–28:??, June 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Moroz:2016:CDB

[MA16] Guillaume Moroz and Boris Aronov. Computing the distance between piecewise-linear bivariate functions. *ACM Transactions on Algorithms*, 12(1):3:1–3:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Manthey:2012:AMT

[Man12] Bodo Manthey. On approximating multicriteria TSP. *ACM Transactions on Algorithms*, 8(2):17:1–17:??, April 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Marx:2010:AFH

[Mar10] Dániel Marx. Approximating fractional hypertree width. *ACM Transactions on Algorithms*, 6(2):29:1–29:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Mastrolilli:2021:CIM

[Mas21] Monaldo Mastrolilli. The complexity of the ideal membership problem for constrained problems over the Boolean domain. *ACM Transactions on Algorithms*, 17(4):32:1–32:29, October 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3449350`.

Mathieu:2010:FSI

[Mat10] Claire Mathieu. Foreword to special issue SODA 2009. *ACM Transactions on Algorithms*, 6(2):23:1–23:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Mestre:2014:WPM

[Mes14] Julián Mestre. Weighted popular matchings. *ACM Transactions on Algorithms*, 10(1):2:1–2:??, January 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Mehlhorn:2009:MCB

[MM09] Kurt Mehlhorn and Dimitrios Michail. Minimum cycle bases: Faster and simpler. *ACM Transactions on Algorithms*, 6(1):8:1–8:??, December 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Makarychev:2014:MQA

[MMS14] Konstantin Makarychev, Rajsekar Manokaran, and Maxim Sviridenko. Maximum quadratic assignment problem: Reduction from maximum label cover and LP-based approximation algorithm. *ACM Transactions on Algorithms*, 10(4):18:1–18:??, August 2014. ISSN 1549-6325 (print), 1549-6333 (electronic).

Makinen:2008:DEC

[MN08] Veli Mäkinen and Gonzalo Navarro. Dynamic entropy-compressed sequences and full-text indexes. *ACM Transactions on Algorithms*, 4(3):32:1–32:??, June 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

MUTZE:2018:ECM

[MN18] Torsten MÜTZE and Jerri Nummenpalo. Efficient computation of middle levels Gray codes. *ACM Transactions on Algorithms*, 14 (2):15:1–15:??, June 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Mahdian:2012:OOU

[MNS12] Mohammad Mahdian, Hamid Nazerzadeh, and Amin Saberi. Online Optimization with Uncertain Information. *ACM Transactions on Algorithms*, 8(1):2:1–2:??, January 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Marx:2013:FSS

[MOR13] Dáaniel Marx, Barry O'Sullivan, and Igor Razgon. Finding small separators in linear time via treewidth reduction. *ACM Transactions on Algorithms*, 9(4):30:1–30:??, September 2013. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Marx:2022:OPA

[MP22] Dániel Marx and Michał Pilipczuk. Optimal parameterized algorithms for planar facility location problems using Voronoi diagrams. *ACM Transactions on Algorithms*, 18(2):13:1–13:64, April 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3483425`.

Martins:2020:PIF

[MPQS20] Rodrigo S. V. Martins, Daniel Panario, Claudio Qureshi, and Eric Schmutz. Periods of iterations of functions with restricted preimage sizes. *ACM Transactions on Algorithms*, 16(3):30:1–30:28, June 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3378570`.

Martinez:2010:ASS

[MPV10] Conrado Martínez, Daniel Panario, and Alfredo Viola. Adaptive sampling strategies for quickselects. *ACM Transactions on Algorithms*, 6(3):53:1–53:??, June 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Miller:2022:DLE

[MPY22] Avery Miller, Andrzej Pelc, and Ram Narayan Yadav. Deterministic leader election in anonymous radio networks. *ACM Transactions on Algorithms*, 18(3):25:1–25:??, July 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3527171`.

Marko:2009:ADP

[MR09] Sharon Marko and Dana Ron. Approximating the distance to properties in bounded-degree and general sparse graphs. *ACM Transactions on Algorithms*, 5(2):22:1–22:??, March 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Moore:2006:GQF

[MRR06] Cristopher Moore, Daniel Rockmore, and Alexander Russell. Generic quantum Fourier transforms. *ACM Transactions on Algorithms*, 2(4):707–723, October 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Mathieu:2024:CDS

[MRYY24] Claire Mathieu, Rajmohan Rajaraman, Neal E. Young, and Arman Yousefi. Competitive data-structure dynamization. *ACM*

Transactions on Algorithms, 20(4):37:1–37:??, October 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3672614`.

Makarychev:2017:MPS

[MS17] Konstantin Makarychev and Maxim Sviridenko. Maximizing polynomials subject to assignment constraints. *ACM Transactions on Algorithms*, 13(4):54:1–54:??, December 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Moran:2011:PCR

[MSS11] Shlomo Moran, Sagi Snir, and Wing-Kin Sung. Partial convex recolorings of trees and galled networks: Tight upper and lower bounds. *ACM Transactions on Algorithms*, 7(4):42:1–42:??, September 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Makinen:2019:SDP

[MTK+19] Veli Mäkinen, Alexandru I. Tomescu, Anna Kuosmanen, Topi Paavilainen, Travis Gagie, and Rayan Chikhi. Sparse dynamic programming on DAGs with small width. *ACM Transactions on Algorithms*, 15(2):1–21, May 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3301312`.

Mendelson:2006:MPQ

[MTTZ06] Ran Mendelson, Robert E. Tarjan, Mikkel Thorup, and Uri Zwick. Melding priority queues. *ACM Transactions on Algorithms*, 2(4):535–556, October 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Madani:2010:DDM

[MTZ10] Omid Madani, Mikkel Thorup, and Uri Zwick. Discounted deterministic Markov decision processes and discounted all-pairs shortest paths. *ACM Transactions on Algorithms*, 6(2):33:1–33:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Massberg:2008:AAF

[MV08] Jens Maßberg and Jens Vygen. Approximation algorithms for a facility location problem with service capacities. *ACM Transactions on Algorithms*, 4(4):50:1–50:15, August 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Marx:2015:FPA

[MV15] Dániel Marx and László A. Végh. Fixed-parameter algorithms for minimum-cost edge-connectivity augmentation. *ACM Transactions on Algorithms*, 11(4):27:1–27:??, June 2015. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Merino:2024:TDK

[MW24] Arturo Merino and Andreas Wiese. On the two-dimensional knapsack problem for convex polygons. *ACM Transactions on Algorithms*, 20(2):16:1–16:??, April 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3644390`.

Mezei:2023:PSG

[MWsZ23] Balázs F. Mezei, Marcin Wrochna, and stanislav Zivný. PTAS for sparse general-valued CSPs. *ACM Transactions on Algorithms*, 19(2):14:1–14:??, April 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3569956`.

Marx:2019:ISI

[MWY19] Dániel Marx, Virgi Vassilevska Williams, and Neal E. Young. Introduction to the special issue on SODA 2017. *ACM Transactions on Algorithms*, 15(2):1–2, May 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3319426`.

Meyer:2012:ESP

[MZ12] Ulrich Meyer and Norbert Zeh. I/O-efficient shortest path algorithms for undirected graphs with random or bounded edge lengths. *ACM Transactions on Algorithms*, 8(3):22:1–22:??, July 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Mathieu:2023:PCV

[MZ23] Claire Mathieu and Hang Zhou. A PTAS for capacitated vehicle routing on trees. *ACM Transactions on Algorithms*, 19 (2):17:1–17:??, April 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3575799`.

Navarro:2025:CMR

[Nav25] Gonzalo Navarro. Computing MEMs and relatives on repetitive text collections. *ACM Transactions on Algorithms*, 21(1):12:1–12:??, January 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Narayanaswamy:2025:PRS

[ND25] N. S. Narayanaswamy and S. M. Dhannya. Perfect resolution of strong conflict-free colouring of interval hypergraphs. *ACM Transactions on Algorithms*, 21(1):10:1–10:??, January 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Naor:2019:BFA

[NE19] Moni Naor and Yogev Eylon. Bloom filters in adversarial environments. *ACM Transactions on Algorithms*, 15(3):1–30, July 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3306193`.

Neuen:2022:HIG

[Neu22] Daniel Neuen. Hypergraph isomorphism for groups with restricted composition factors. *ACM Transactions on Algorithms*, 18(3):27:1–27:??, July 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3527667`.

Neuen:2024:ITG

[Neu24] Daniel Neuen. Isomorphism testing for graphs excluding small topological subgraphs. *ACM Transactions on Algorithms*, 20 (3):25:1–25:??, July 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3651986`.

Nieberg:2008:ASW

[NHK08] Tim Nieberg, Johann Hurink, and Walter Kern. Approximation schemes for wireless networks. *ACM Transactions on Algorithms*, 4(4):49:1–49:??, August 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Newman:2018:ASS

[NRS18] Alantha Newman, Heiko Röglin, and Johanna Seif. The alternating stock size problem and the gasoline puzzle. *ACM Transactions on Algorithms*, 14(2):19:1–19:??, June 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Nguyen:2009:LDL

[NS09] Phong Q. Nguyen and Damien Stehlé. Low-dimensional lattice basis reduction revisited. *ACM Transactions on Algorithms*, 5(4): 46:1–46:??, October 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Naor:2010:DCA

[NS10] Joseph (Seffi) Naor and Roy Schwartz. The directed circular arrangement problem. *ACM Transactions on Algorithms*, 6(3): 47:1–47:??, June 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Navarro:2014:FFS

[NS14] Gonzalo Navarro and Kunihiko Sadakane. Fully functional static and dynamic succinct trees. *ACM Transactions on Algorithms*, 10 (3):16:1–16:??, June 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Neiman:2016:SDA

[NS16] Ofer Neiman and Shay Solomon. Simple deterministic algorithms for fully dynamic maximal matching. *ACM Transactions on Algorithms*, 12(1):7:1–7:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Nutov:2009:ACA

[Nut09] Zeev Nutov. Approximating connectivity augmentation problems. *ACM Transactions on Algorithms*, 6(1):5:1–5:19, December 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Nutov:2012:AMC

[Nut12] Zeev Nutov. Approximating minimum-cost connectivity problems via uncrossable bifamilies. *ACM Transactions on Algorithms*, 9 (1):1:1–1:??, December 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Naor:2007:NAP

[NW07] Moni Naor and Udi Wieder. Novel architectures for P2P applications: The continuous-discrete approach. *ACM Transactions on Algorithms*, 3(3):34:1–34:??, August 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Nakajima:2024:CSV

[NZ24] Tamio-Vesa Nakajima and Stanislav Zivný. On the complexity of symmetric vs. functional PCSPs. *ACM Transactions on Algorithms*, 20(4):33:1–33:??, October 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3673655`.

Nong:2011:CIS

[NZC11] Ge Nong, Sen Zhang, and Wai Hong Chan. Computing the Inverse Sort Transform in linear time. *ACM Transactions on Algorithms*, 7(2):27:1–27:??, March 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Oudot:2010:GDT

[OGGW10] Steve Y. Oudot, Leonidas J. Guibas, Jie Gao, and Yue Wang. Geodesic Delaunay triangulations in bounded planar domains. *ACM Transactions on Algorithms*, 6(4):67:1–67:??, August 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Olbrich:2024:GNR

[OOB24] Jannik Olbrich, Enno Ohlebusch, and Thomas Büchler. Generic non-recursive suffix array construction. *ACM Transactions on Algorithms*, 20(2):18:1–18:??, April 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3641854`.

Onak:2020:FDM

[OSSW20] Krzysztof Onak, Baruch Schieber, Shay Solomon, and Nicole Wein. Fully dynamic MIS in uniformly sparse graphs. *ACM Transactions on Algorithms*, 16(2):26:1–26:19, April 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3378025`.

Oum:2008:ARW

[Oum08] Sang-Il Oum. Approximating rank-width and clique-width quickly. *ACM Transactions on Algorithms*, 5(1):10:1–10:??, November 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Pagh:2018:CLS

[Pag18] Rasmus Pagh. CoveringLSH: Locality-sensitive hashing without false negatives. *ACM Transactions on Algorithms*, 14(3):29:1–

29:??, July 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3155300`.

Pettie:2009:LDS

[Pet09] Seth Pettie. Low distortion spanners. *ACM Transactions on Algorithms*, 6(1):7:1–7:??, December 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Parter:2016:SFT

[PP16] Merav Parter and David Peleg. Sparse fault-tolerant BFS structures. *ACM Transactions on Algorithms*, 13(1):11:1–11:??, December 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Parter:2018:FTA

[PP18] Merav Parter and David Peleg. Fault-tolerant approximate BFS structures. *ACM Transactions on Algorithms*, 14(1):10:1–10:??, January 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Pilipczuk:2018:NSS

[PPSV18] Marcin Pilipczuk, Michał Pilipczuk, Piotr Sankowski, and Erik Jan Van Leeuwen. Network sparsification for Steiner problems on planar and bounded-genus graphs. *ACM Transactions on Algorithms*, 14(4):1–73, October 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3239560`.

Pettie:2008:RMS

[PR08] Seth Pettie and Vijaya Ramachandran. Randomized minimum spanning tree algorithms using exponentially fewer random bits. *ACM Transactions on Algorithms*, 4(1):5:1–5:??, March 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Panconesi:2012:EPS

[PR12] Alessandro Panconesi and Jaikumar Radhakrishnan. Expansion properties of (secure) wireless networks. *ACM Transactions on Algorithms*, 8(3):21:1–21:??, July 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Prezza:2021:OSE

[Pre21] Nicola Prezza. Optimal substring equality queries with applications to sparse text indexing. *ACM Transactions on Algorithms*, 17(1):7:1–7:23, January 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3426870`.

Philip:2012:PKD

[PRS12] Geevarghese Philip, Venkatesh Raman, and Somnath Sikdar. Polynomial kernels for dominating set in graphs of bounded degeneracy and beyond. *ACM Transactions on Algorithms*, 9(1): 11:1–11:??, December 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Pandurangan:2020:TMO

[PRS20] Gopal Pandurangan, Peter Robinson, and Michele Scquizzato. A time- and message-optimal distributed algorithm for minimum spanning trees. *ACM Transactions on Algorithms*, 16(1):13:1–13:27, January 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3365005`.

Pemmaraju:2011:MCO

[PRV11] Sriram V. Pemmaraju, Rajiv Raman, and Kasturi Varadarajan. Max-coloring and online coloring with bandwidths on interval graphs. *ACM Transactions on Algorithms*, 7(3):35:1–35:??, July 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Panagiotou:2010:MBS

[PS10] Konstantinos Panagiotou and Angelika Steger. Maximal biconnected subgraphs of random planar graphs. *ACM Transactions on Algorithms*, 6(2):31:1–31:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Polacek:2016:QPL

[PS16] Lukáš Poláček and Ola Svensson. Quasi-polynomial local search for restricted max-min fair allocation. *ACM Transactions on Algorithms*, 12(2):13:1–13:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Paz:2019:AMW

[PS19] Ami Paz and Gregory Schwartzman. A $(2+\epsilon)$-approximation for maximum weight matching in the semi-streaming model. *ACM Transactions on Algorithms*, 15(2):1–15, May 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3274668`.

Peserico:2023:MLA

[PS23] Enoch Peserico and Michele Scquizzato. Matching on the line admits no $o(\sqrt{\log n})$-competitive algorithm. *ACM Transactions on Algorithms*, 19(3):28:1–28:??, July 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3594873`.

Panolan:2024:CDU

[PSZ24] Fahad Panolan, Saket Saurabh, and Meirav Zehavi. Contraction decomposition in unit disk graphs and algorithmic applications in parameterized complexity. *ACM Transactions on Algorithms*, 20(2):15:1–15:??, April 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3648594`.

Pritchard:2011:FCS

[PT11] David Pritchard and Ramakrishna Thurimella. Fast computation of small cuts via cycle space sampling. *ACM Transactions on Algorithms*, 7(4):46:1–46:??, September 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Patrascu:2016:IRL

[PT16] Mihai Pătraşcu and Mikkel Thorup. On the k-independence required by linear probing and minwise independence. *ACM Transactions on Algorithms*, 12(1):8:1–8:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Pandurangan:2007:EBB

[PU07] Gopal Pandurangan and Eli Upfal. Entropy-based bounds for online algorithms. *ACM Transactions on Algorithms*, 3(1):??, February 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Pruhs:2008:GBR

[PUW08] Kirk Pruhs, Patchrawat Uthaisombut, and Gerhard Woeginger. Getting the best response for your erg. *ACM Transactions on*

Algorithms, 4(3):38:1–38:??, June 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Pelleg:2024:ASC

[PZ24] Eden Pelleg and Stanislav Zivný. Additive sparsification of CSPs. *ACM Transactions on Algorithms*, 20(1):1:1–1:??, January 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3625824`.

Rottenstreich:2020:CHM

[RKH20] Ori Rottenstreich, Haim Kaplan, and Avinatan Hassidim. Clustering in hypergraphs to minimize average edge service time. *ACM Transactions on Algorithms*, 16(3):40:1–40:28, June 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3386121`.

Russo:2011:FCS

[RNO11] Luís M. S. Russo, Gonzalo Navarro, and Arlindo L. Oliveira. Fully compressed suffix trees. *ACM Transactions on Algorithms*, 7(4):53:1–53:??, September 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Roditty:2008:FSF

[Rod08] Liam Roditty. A faster and simpler fully dynamic transitive closure. *ACM Transactions on Algorithms*, 4(1):6:1–6:??, March 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Raman:2007:SID

[RRS07] Rajeev Raman, Venkatesh Raman, and Srinivasa Rao Satti. Succinct indexable dictionaries with applications to encoding k-ary trees, prefix sums and multisets. *ACM Transactions on Algorithms*, 3(4):43:1–43:??, November 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Rabani:2016:ESI

[RRSW16] Yuval Rabani, Andrea Richa, Jared Saia, and David P. Woodruff. Editorial to the special issue on SODA'12. *ACM Transactions on Algorithms*, 12(1):1:1–1:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Rabani:2009:BAT

[RS09] Yuval Rabani and Gabriel Scalosub. Bicriteria approximation tradeoff for the node-cost budget problem. *ACM Transactions on Algorithms*, 5(2):19:1–19:??, March 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Roditty:2011:APS

[RS11a] Liam Roditty and Asaf Shapira. All-pairs shortest paths with a sublinear additive error. *ACM Transactions on Algorithms*, 7 (4):45:1–45:??, September 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Rosen:2011:RVB

[RS11b] Adi Rosén and Gabriel Scalosub. Rate vs. buffer size — greedy information gathering on the line. *ACM Transactions on Algorithms*, 7(3):32:1–32:??, July 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ramanujan:2017:LTP

[RS17] M. S. Ramanujan and Saket Saurabh. Linear-time parameterized algorithms via skew-symmetric multicuts. *ACM Transactions on Algorithms*, 13(4):46:1–46:??, December 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Raman:2006:FFP

[RSS06] Venkatesh Raman, Saket Saurabh, and C. R. Subramanian. Faster fixed parameter tractable algorithms for finding feedback vertex sets. *ACM Transactions on Algorithms*, 2(3):403–415, July 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Rue:2014:DPG

[RST14] Juanjo Rué, Ignasi Sau, and Dimitrios M. Thilikos. Dynamic programming for graphs on surfaces. *ACM Transactions on Algorithms*, 10(2):8:1–8:??, February 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Roditty:2013:AG

[RT13] Liam Roditty and Roei Tov. Approximating the girth. *ACM Transactions on Algorithms*, 9(2):15:1–15:??, March 2013. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ron:2014:TPS

[RT14] Dana Ron and Gilad Tsur. Testing properties of sparse images. *ACM Transactions on Algorithms*, 10(4):17:1–17:??, August 2014. ISSN 1549-6325 (print), 1549-6333 (electronic).

Rahul:2022:GTB

[RT22] Saladi Rahul and Yufei Tao. Generic techniques for building top-k structures. *ACM Transactions on Algorithms*, 18(4):38:1–38:??, October 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3546074`.

Roditty:2008:RSR

[RTZ08] Iam Roditty, Mikkel Thorup, and Uri Zwick. Roundtrip spanners and roundtrip routing in directed graphs. *ACM Transactions on Algorithms*, 4(3):29:1–29:??, June 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ruzic:2008:UDD

[Ruž08] Milan Ružić. Uniform deterministic dictionaries. *ACM Transactions on Algorithms*, 4(1):1:1–1:??, March 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ruzic:2009:MDS

[Ruž09] Milan Ružić. Making deterministic signatures quickly. *ACM Transactions on Algorithms*, 5(3):26:1–26:??, July 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Reed:2009:LTA

[RW09] Bruce Reed and David R. Wood. A linear-time algorithm to find a separator in a graph excluding a minor. *ACM Transactions on Algorithms*, 5(4):39:1–39:??, October 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ruskey:2010:EUC

[RW10a] Frank Ruskey and Aaron Williams. An explicit universal cycle for the $(n-1)$-permutations of an n-set. *ACM Transactions on Algorithms*, 6(3):45:1–45:12, June 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Rutter:2010:CLM

[RW10b] Ignaz Rutter and Alexander Wolff. Computing large matchings fast. *ACM Transactions on Algorithms*, 7(1):1:1–1:??, November

2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Roditty:2012:RPS

[RZ12] Liam Roditty and Uri Zwick. Replacement paths and k simple shortest paths in unweighted directed graphs. *ACM Transactions on Algorithms*, 8(4):33:1–33:??, September 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Sawada:2006:GRF

[Saw06] Joe Sawada. Generating rooted and free plane trees. *ACM Transactions on Algorithms*, 2(1):1–13, January 2006. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Shi:2017:DPD

[SCRS17] Elaine Shi, T.-H. Hubert Chan, Eleanor Rieffel, and Dawn Song. Distributed private data analysis: Lower bounds and practical constructions. *ACM Transactions on Algorithms*, 13(4):50:1–50:??, December 2017. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Shallue:2016:TPT

[Sha16] Andrew Shallue. Tabulating pseudoprimes and tabulating liars. *ACM Transactions on Algorithms*, 13(1):4:1–4:??, December 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Segal-Halevi:2016:WMH

[SHHA16] Erel Segal-Halevi, Avinatan Hassidim, and Yonatan Aumann. Waste makes haste: Bounded time algorithms for envy-free cake cutting with free disposal. *ACM Transactions on Algorithms*, 13 (1):12:1–12:??, December 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Socala:2016:TLB

[Soc16] Arkadiusz Socala. Tight lower bound for the channel assignment problem. *ACM Transactions on Algorithms*, 12(4):48:1–48:??, September 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Solomon:2013:SES

[Sol13] Shay Solomon. Sparse Euclidean spanners with tiny diameter. *ACM Transactions on Algorithms*, 9(3):28:1–28:??, June 2013. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

S:2024:DRP

[SP24] Karthik C. S. and Merav Parter. Deterministic replacement path covering. *ACM Transactions on Algorithms*, 20(4):34:1–34:??, October 2024. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3673760`.

Srinivasan:2019:E

[Sri19] Aravind Srinivasan. Editorial. *ACM Transactions on Algorithms*, 15(2):1, May 2019. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3325824`.

Sanders:2008:AAS

[SS08a] Peter Sanders and David Steurer. An asymptotic approximation scheme for multigraph edge coloring. *ACM Transactions on Algorithms*, 4(2):21:1–21:??, May 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Swamy:2008:FTF

[SS08b] Chaitanya Swamy and David B. Shmoys. Fault-tolerant facility location. *ACM Transactions on Algorithms*, 4(4):51:1–51:??, August 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Scott:2009:PCS

[SS09] Alexander D. Scott and Gregory B. Sorkin. Polynomial constraint satisfaction problems, graph bisection, and the Ising partition function. *ACM Transactions on Algorithms*, 5(4):45:1–45:??, October 2009. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Schmid:2018:CWP

[SS18] Andreas Schmid and Jens M. Schmidt. Computing 2-walks in polynomial time. *ACM Transactions on Algorithms*, 14(2):22:1–22:??, June 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Sala:2025:ECP

[SSA25] Evan Sala, Joe Sawada, and Abbas Alhakim. Efficient constructions of the prefer-same and prefer-opposite de Bruijn sequences. *ACM Transactions on Algorithms*, 21(1):1:1–1:??, January 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Salvy:2011:PFF

[SSS+11] Bruno Salvy, Bob Sedgewick, Michele Soria, Wojciech Szpankowski, and Brigitte Vallee. Philippe Flajolet, the father of analytic combinatorics. *ACM Transactions on Algorithms*, 7 (4):40:1–40:??, September 2011. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Sau:2022:KAM

[SST22] Ignasi Sau, Giannos Stamoulis, and Dimitrios M. Thilikos. k-apices of minor-closed graph classes. II. Parameterized algorithms. *ACM Transactions on Algorithms*, 18(3):21:1–21:??, July 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3519028`.

Shah:2023:RDR

[SSTV23] Rahul Shah, Cheng Sheng, Sharma Thankachan, and Jeffrey Vitter. Ranked document retrieval in external memory. *ACM Transactions on Algorithms*, 19(1):5:1–5:??, January 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3559763`.

Suzuki:2008:DSP

[ST08] Akiko Suzuki and Takeshi Tokuyama. Dense subgraph problems with output-density conditions. *ACM Transactions on Algorithms*, 4(4):43:1–43:??, August 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Svitkina:2010:FLH

[ST10] Zoya Svitkina and Éva Tardos. Facility location with hierarchical facility costs. *ACM Transactions on Algorithms*, 6(2):37:1–37:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Sen:2016:DRB

[STK16] Siddhartha Sen, Robert E. Tarjan, and David Hong Kyun Kim. Deletion without rebalancing in binary search trees. *ACM Trans-*

actions on Algorithms, 12(4):57:1–57:??, September 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Svitkina:2010:LBF

[Svi10] Zoya Svitkina. Lower-bounded facility location. *ACM Transactions on Algorithms*, 6(4):69:1–69:??, August 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Sawada:2020:SST

[SW20a] Joe Sawada and Aaron Williams. Solving the sigma–tau problem. *ACM Transactions on Algorithms*, 16(1):11:1–11:17, January 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3359589`.

Solomon:2020:IDG

[SW20b] Shay Solomon and Nicole Wein. Improved dynamic graph coloring. *ACM Transactions on Algorithms*, 16(3):41:1–41:24, June 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3392724`.

Swamy:2012:ESS

[Swa12] Chaitanya Swamy. The effectiveness of Stackelberg strategies and tolls for network congestion games. *ACM Transactions on Algorithms*, 8(4):36:1–36:??, September 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Swamy:2016:IAA

[Swa16] Chaitanya Swamy. Improved approximation algorithms for matroid and knapsack median problems and applications. *ACM Transactions on Algorithms*, 12(4):49:1–49:??, September 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Sun:2021:QMT

[SWYZ21] Xiaoming Sun, David P. Woodruff, Guang Yang, and Jialin Zhang. Querying a matrix through matrix–vector products. *ACM Transactions on Algorithms*, 17(4):31:1–31:19, October 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3470566`.

Soltan:2020:DBC

[SYZ20] Saleh Soltan, Mihalis Yannakakis, and Gil Zussman. Doubly balanced connected graph partitioning. *ACM Transactions on Algo-*

rithms, 16(2):20:1–20:24, April 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3381419`.

Shalita:2010:EAG

[SZ10] Alon Shalita and Uri Zwick. Efficient algorithms for the 2-gathering problem. *ACM Transactions on Algorithms*, 6(2):34:1–34:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Stein:2020:SWY

[SZ20] Clifford Stein and Mingxian Zhong. Scheduling when you do not know the number of machines. *ACM Transactions on Algorithms*, 16(1):9:1–9:20, January 2020. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3340320`.

Tao:2014:DRS

[Tao14] Yufei Tao. Dynamic ray stabbing. *ACM Transactions on Algorithms*, 11(2):11:1–11:??, October 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Terao:2025:FMP

[Ter25] Tatsuya Terao. Faster matroid partition algorithms. *ACM Transactions on Algorithms*, 21(2):14:1–14:??, April 2025. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Thomasse:2010:KFV

[Tho10a] Stéphan Thomassé. A $4k^2$ kernel for feedback vertex set. *ACM Transactions on Algorithms*, 6(2):32:1–32:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Thomasse:2010:KKF

[Tho10b] Stéphan Thomassé. A $4k^2$ kernel for feedback vertex set. *ACM Transactions on Algorithms*, 6(2):32:1–32:??, March 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Tarjan:2021:ZT

[TLT21] Robert E. Tarjan, Caleb Levy, and Stephen Timmel. Zip trees. *ACM Transactions on Algorithms*, 17(4):34:1–34:12, October 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3476830`.

Torng:2008:SOU

[TM08] Eric Torng and Jason McCullough. SRPT optimally utilizes faster machines to minimize flow time. *ACM Transactions on Algorithms*, 5(1):1:1–1:??, November 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ta-Shma:2014:DRT

[TSZ14] Amnon Ta-Shma and Uri Zwick. Deterministic rendezvous, treasure hunts, and strongly universal exploration sequences. *ACM Transactions on Algorithms*, 10(3):12:1–12:??, June 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Tamaki:2018:AGM

[TY18] Suguru Tamaki and Yuichi Yoshida. Approximation guarantees for the minimum linear arrangement problem by higher eigenvalues. *ACM Transactions on Algorithms*, 14(4):1–13, October 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3228342`.

VeghVegh:2008:PDA

[VB08] László A. VéghVégh and András A. Benczúr. Primal-dual approach for directed vertex connectivity augmentation and generalizations. *ACM Transactions on Algorithms*, 4(2):20:1–20:??, May 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Vinkemeier:2005:LTA

[VH05] Doratha E. Drake Vinkemeier and Stefan Hougardy. A linear-time approximation algorithm for weighted matchings in graphs. *ACM Transactions on Algorithms*, 1(1):107–122, July 2005. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Vigneron:2014:GOS

[Vig14] Antoine Vigneron. Geometric optimization and sums of algebraic functions. *ACM Transactions on Algorithms*, 10(1):4:1–4:??, January 2014. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Viola:2005:EDI

[Vio05] Alfredo Viola. Exact distribution of individual displacements in linear probing hashing. *ACM Transactions on Algorithms*, 1(2):

214–242, October 2005. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Vishwanathan:2008:HIA

[Vis08] Sundar Vishwanathan. On hard instances of approximate vertex cover. *ACM Transactions on Algorithms*, 5(1):7:1–7:??, November 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Voronenko:2007:MMC

[VP07] Yevgen Voronenko and Markus Püschel. Multiplierless multiple constant multiplication. *ACM Transactions on Algorithms*, 3(2): 11:1–11:??, May 2007. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Vassilevska:2010:FHS

[VWY10] Virginia Vassilevska, Ryan Williams, and Raphael Yuster. Finding heaviest H-subgraphs in real weighted graphs, with applications. *ACM Transactions on Algorithms*, 6(3):44:1–44:??, June 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Viola:2021:CBL

[VZ21] Caterina Viola and Stanislav Zivný. The combined basic LP and affine IP relaxation for promise VCSPs on infinite domains. *ACM Transactions on Algorithms*, 17(3):21:1–21:23, August 2021. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3458041`.

Wahlstrom:2022:QMM

[Wah22] Magnus Wahlström. Quasipolynomial multicut-mimicking networks and kernels for multiway cut problems. *ACM Transactions on Algorithms*, 18(2):15:1–15:19, April 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3501304`.

Walzer:2023:LTC

[Wal23] Stefan Walzer. Load thresholds for cuckoo hashing with overlapping blocks. *ACM Transactions on Algorithms*, 19(3):24:1–24:??, July 2023. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3589558`.

Wang:2022:MFP

[Wan22] Yipu Wang. Max flows in planar graphs with vertex capacities. *ACM Transactions on Algorithms*, 18(1):9:1–9:27, January 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3504032`.

Wei:2022:OVA

[Wei22] Alexander Wei. Optimal Las Vegas approximate near neighbors in ℓ_p. *ACM Transactions on Algorithms*, 18(1):7:1–7:27, January 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3461777`.

Williams:2010:NPW

[Wil10] Virginia Vassilevska Williams. Nondecreasing paths in a weighted graph or: How to optimally read a train schedule. *ACM Transactions on Algorithms*, 6(4):70:1–70:??, August 2010. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Wimmer:2016:ALP

[Wim16] Karl Wimmer. Agnostic learning in permutation-invariant domains. *ACM Transactions on Algorithms*, 12(4):46:1–46:??, September 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Wild:2015:ACD

[WNN15] Sebastian Wild, Markus E. Nebel, and Ralph Neininger. Average case and distributional analysis of dual-pivot Quicksort. *ACM Transactions on Algorithms*, 11(3):22:1–22:??, January 2015. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Wang:2022:TBO

[WW22] Ruosong Wang and David P. Woodruff. Tight bounds for ℓ_1 oblivious subspace embeddings. *ACM Transactions on Algorithms*, 18(1):8:1–8:32, January 2022. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic). URL `https://dl.acm.org/doi/10.1145/3477537`.

Weimann:2013:RPD

[WY13] Oren Weimann and Raphael Yuster. Replacement paths and distance sensitivity oracles via fast matrix multiplication. *ACM Transactions on Algorithms*, 9(2):14:1–14:??, March 2013. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Weimann:2016:ADP

[WY16] Oren Weimann and Raphael Yuster. Approximating the diameter of planar graphs in near linear time. *ACM Transactions on Algorithms*, 12(1):12:1–12:??, February 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Wei:2018:TSB

[WY18] Zhewei Wei and Ke Yi. Tight space bounds for two-dimensional approximate range counting. *ACM Transactions on Algorithms*, 14(2):23:1–23:??, June 2018. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ward:2016:MSF

[WZ16] Justin Ward and Stanislav Zivný. Maximizing k-submodular functions and beyond. *ACM Transactions on Algorithms*, 12 (4):47:1–47:??, September 2016. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Ye:2012:EG

[YB12] Yuli Ye and Allan Borodin. Elimination graphs. *ACM Transactions on Algorithms*, 8(2):14:1–14:??, April 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Yu:2008:IAM

[YLW08] Hung-I. Yu, Tzu-Chin Lin, and Biing-Feng Wang. Improved algorithms for the minmax-regret 1-center and 1-median problems. *ACM Transactions on Algorithms*, 4(3):36:1–36:??, June 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Yuster:2005:FSM

[YZ05] Raphael Yuster and Uri Zwick. Fast sparse matrix multiplication. *ACM Transactions on Algorithms*, 1(1):2–13, July 2005. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Yi:2012:MOT

[YZ12] Ke Yi and Qin Zhang. Multidimensional online tracking. *ACM Transactions on Algorithms*, 8(2):12:1–12:??, April 2012. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).

Zhang:2008:CCP

[ZO08] Cun-Quan Zhang and Yongbin Ou. Clustering, community partition and disjoint spanning trees. *ACM Transactions on Algo-*

rithms, 4(3):35:1–35:??, June 2008. CODEN ???? ISSN 1549-6325 (print), 1549-6333 (electronic).