A Complete Bibliography of *ACM Transactions on Computation Theory (ToCT)*

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
FAX: +1 801 581 4148

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

23 December 2023
Version 1.38

Title word cross-reference

$(\cdot, H)$ [yCG21]. 0 [FPS15]. 1 [AOTW14, Cha18]. 2 [AOTW14, GL18, Hru16]. 3 [AOTW14, Zeh23]. ^{0} [CTW13]. $\cap$ [AT11]. d [AA20]. H [BCKP18, yCG21, CJO+23, GGJ17]. k [AFS+18, Bla19, LS21, Zeh23]. $k \geq 5$ [Sch19]. $O(n\epsilon)$ [CT18]. $O(\sqrt{n})$ [RRS+12]. $O * (8.097^k)$ [Zeh23]. $\Omega((n \log n)/R)$ [Ail16]. q [OWZ14]. R [Ail16, Chi21]. $W[1]$ [PW18a].

-Coloring [AOTW14, CJO+23]. **-Colorings** [GGJ17]. **-free** [BCKP18]. **-Frege** [FPS15]. **-hard** [PW18a]. **-ic** [Chi21]. **-Median** [Cha18]. **-packing** [Zeh23]. **-Reducible** [CTW13]. **-set** [Zeh23]. **-Spin** [GL18]. **-time** [Zeh23]. **-to-** [AOTW14]. **-Uniform** [AA20, Bla19, LS21]. **-Well** [Ail16].

2Lin [OWZ15].

3-Query [BSHLM09, GR09]. **3Lin** [OWZ15].

above [CPPW13]. **Abstract** [BGMS16, BBDL+21]. **AC** [CTW13, FPS15]. **AC0** [Vio21]. **Advantage** [RV13]. **adversarial** [Dru13]. **Adversary** [AKP+21]. **Advice** [Wat14]. **Affine** [AB18, AB19, BG17]. **Affine-Invariant** [BG17]. **against** [CMS20]. **Algebraic** [AFS+18, CLV21, KNST19, KNS20]. **Algebrization** [AW09, AB18, AB19]. **Algorithm** [CT18, Zeh23]. **Algorithmic** [DK13, FGST22, LL18, Lut21]. **Algorithms**

[CFM14, FMMS20, GGS21, GKM20, HH13, KKL+21, LPRV22, PW18b, TKM12, FJ14]. **Allowing** [FLOR15]. **Almost** [AT11, Juk20]. **ALOGTIME** [BFLW22]. **ALOGTIME-hard** [BFLW22]. **Alternation** [Che17, Wil13]. **Alternation-Trading** [Wil13]. **Amortization** [AA20]. **Analysis** [KC12]. **Anti** [CKW19]. **Anti-Gadgets** [CKW19]. **Application** [ESY14]. **Approximability** [GJL+21, ST19]. **Approximate** [BZ20, DL21, HV22, OS18, Smy11, TZ15]. **Approximately** [FGZ20, GGJ17, GJ14]. **Approximating** [BH12, BGGS21, CHIS12, GJ19, RRS+12, RT13]. **Approximation** [AKPP17, BCKP18, Cha18, GL18, RT16]. **Approximations** [GJL+16]. **Arithmetic** [KMS16, Kum20, Vol16]. **Arrangement** [FHRS16]. **Arthur** [PV12a, Wat20a]. **Asking** [CL17]. **Auction** [CKK16]. **Average** [HS10, Wat12]. **Average-Case** [HS10, Wat12]. **Avoidability** [IOO21].

Balancing [GL19]. **Barrier** [AW09]. **Barriers** [AB18, AB19]. **Based** [BCJ19, GR16, RR22]. **Bazzi** [Raz09]. **Beating** [Ros20]. **Being** [ACC+14]. **Better** [Sch19]. **Betting** [HH13]. **Between** [KNS20, DPV09, HO20, Sch17, Sri20]. **Beyond** [PS20, ST19, Sch16]. **Bidders** [CKK16]. **Binary** [JP19]. **Bipartite** [GGS21]. **Bits** [GV20]. **Boolean** [AS17, BWZ21, FUZ19, HR16, DP19, RRS+12]. **Bootstrapping** [BGV14]. **Border** [Kum20]. **Bound** [Ail16, BGMS16, GW20, Lau16, Ros20, VK22]. **Boundary** [HO20]. **Bounded** [BGLR12, BHLV19, ES17, KV10]. **Bounded-Depth** [BGLR12]. **Bounding** [Kre21]. **Bounds** [AGSU15, AFS+18, ACK+21, BG17, BCG19, BłKP+19, CJO+23, CKLM20, DW12, DKS19, FPS15, FLM+21, HH13, KKL+21, KPW20, KS15, Kom18, KPRR14, KMS16, OWZ14, Pur11, Wat14, Wil13, CPPW13, RR19]. **Branching** [AFS+18, CMW+12, CM23, DKS19, GV20, IN19, KNST19, KNS20, KS15].

Caching [BIPS10, ERSV13]. **cactus** [GGR14]. **Calculi** [BCJ19]. **Can** [BMT21, MYKM21, Zeh23]. **Candidate** [CEMT14]. **Canonizing** [ES17]. **Case** [HS10, KV10, Wat12, ST19]. **Catalytic** [CM23]. **Categorical** [BFGS23]. **CDS** [AA20]. **Cell** [Yin10]. **Cell-Probe** [Yin10]. **Characteristic** [CS23, Hru16]. **Characterization** [DKS19]. **characterized** [FJ14]. **Characterizing** [Vol16]. **Chief** [O'D20]. **Chordal** [GJL+21]. **Circuit** [AH19, CKLM20, HH13, KMS16, CFL14]. **Circuits** [AS17, Chi21, GHKL18, KNS20, Kum20, VK22]. **Classes** [AJR16, CLV21, GJL+21, HSS21]. **Classical** [AKP+21]. **Classification** [CM15]. **Clique** [CKP+14]. **Clones** [FZ16]. **Clustering** [BFGS23]. **CNF** [HO20, RW20]. **Co** [KPRR14]. **Co-Nondeterminism** [KPRR14]. **Coarse** [LW22]. **Codes** [GM12, GGK19, STV20, Vid13]. **Coin** [Juk20, LV18, Pur11]. **Coin-Weighing** [Pur11]. **Collision** [HM23]. **Collusion** [PV12b]. **Collusion-Resistant** [PV12b]. **Coloring** [AOTW14, CJO+23]. **Colorings** [GGJ17]. **Colouring** [LMP19]. **Colourings** [GGW22, NŽ22]. **Communication** [AGSU15, BCG19, BKM18, DPV09, FJK+16, GJPW18, KKL+21, KPS19, Wat18]. **Compact** [GMPS14]. **comparator** [CFL14]. **Comparing** [ESY14]. **Complete** [AJR16, CLV21, GHPT14, GKMT17, MV18, BFLW22]. **Completeness** [Hru16]. **Completion** [DFPV15]. **Complex** [BGGS21]. **Complexity** [AW09, AGSU15, AFK+22, BFGS23, BCJ19, BGGS21, BCG19, BM15, BłKP+19, BWZ21, CKW19, Cha18, CLV21, Che17, DFPV15, ESY14, FM23, FGMN11, FMMS20, FGZ20, FJK+16, FUZ19, GGJ17, GKM20, GJ14, GM15,

GMPS14, HPV11, HSS21, IOO21, JLR21, KC12, KRU19, KPW20, KPS19, KMW16, LS21, MN22, RW20, RRS+12, Sch16, SV12, Smy11, VLB12, Wat18, CFL14, GGR14]. **Compressed** [BFLW22, Pag13]. **Computation** [Ail16, BBDL+21, FLM+21]. **Computational** [IOO21, SV12, VLB12]. **Computer** [AG14, AG13]. **Computing** [Chi21]. **Concisely** [SV12]. **Condensers** [ATS19]. **Conditional** [BC18, LL18, RT16]. **Conditioned** [Ail16]. **confidence** [Dru13]. **Conjecture** [SS22]. **Conjunctive** [CM15]. **Connecting** [FJ14]. **Connection** [BCE+19, FZ16]. **Connectivity** [GS18]. **coNP** [AT11]. **Consensus** [Sch17]. **Constant** [AA20, BG17, PV12a, Vio19, BDK+13]. **Constant-Error** [Vio19]. **Constant-Round** [PV12a]. **Constraint** [CL17, JLR21]. **Constraints** [KPW20]. **Constructing** [CS23]. **Contraction** [ALSZ19, FLM+21, GJL+21]. **Controller** [VLB12]. **Convergence** [SZ14]. **Cops** [GTT20]. **Correctness** [GM12]. **Correlated** [CKK16]. **Correlations** [GJ19]. **Corrigendum** [AB19]. **Counting** [BZ20, DL21, FGZ20, GGJ17, GGW22, GGR16, GJ14, JM15, OS18, GGR14]. **Cover** [AOTW14, CKP+14]. **CSP** [BZ20, LW20, LW22]. **CSPs** [DK13, FUZ19, JP19, TZ18]. **CTC** [OS18]. **cut** [CPPW13]. **Cutting** [Lau16]. **Cyclic** [OWZ15].

Data [BFGS23]. **Decidability** [TZ15]. **Decision** [DL21, HHM20]. **Decodable** [GM12]. **Decoders** [GGK19]. **Decoding** [HR16, STV20, Vid13]. **Decompositions** [PW18b]. **Degree** [BKT13, HV22, JP19, VK22]. **Deletion** [FGMN11, Kom18]. **Dense** [Wat14]. **Depth** [BGLR12, Chi21, KNS20, KLMS16, Kum20, BDK+13]. **Depth-3** [Kum20]. **Depth-three** [KNS20]. **Derandomization** [MV18]. **Derivative** [KMS16]. **Design** [CKK16]. **Determinants** [DKLM10]. **Determines** [yCG21]. **Deterministic** [AGSU15, CKK16]. **Dichotomy** [CKW19, FGMN11]. **Difference** [Sch17]. **Differential** [SZ14]. **Digraphs** [LMP19]. **Dimension** [CL15, DKS19, LL18, Lut21]. **Direct** [GS20]. **Directed** [BTV09, CT18, FM23, KV10, PW18a]. **Discrepancy** [FJK+16]. **Disjoint** [FGMN11, GHPT14, GW20]. **Disjointness** [MN22, PS20]. **Distance** [AGSU15, Wat18]. **Distortion** [FFL+13]. **Distributed** [MN22]. **Distribution** [BCG19, RR22]. **Distribution-Free** [RR22]. **Distributions** [BC18]. **Do** [GKM+16]. **Does** [FJK+16]. **Domains** [BWZ21]. **DPLL** [BIPS10]. **Dynamic** [Juk20].

Economical [ERSV13]. **Edge** [BCKP18]. **Editor** [For09, O'D20]. **Editor-in-Chief** [O'D20]. **Editorial** [O'D20]. **Effective** [SZ14]. **Efficiency** [PW18b]. **Efficient** [FMMS20, GJL+16]. **Election** [HHM20, TKM12]. **Elementary** [Sch16]. **Embedding** [GKM20]. **Encryption** [BGV14]. **Entropy** [ACK+21, ATS19, KS15]. **Enumeration** [Ros20]. **Equations** [SZ14, VK22]. **Equilibria** [HS10, SV12]. **Equivalent** [AKP+21]. **Erasure** [LPRV22]. **Erasure-Resilient** [LPRV22]. **Error** [RR22, Vio19]. **ETH** [GdHKS20]. **Evaluation** [CMW+12, IN19]. **Evasive** [Bla19]. **Even** [PW18a]. **Evolvability** [Val14]. **Exact** [GKMT17, HH13, HO20, KMW16, TKM12]. **Example** [RT16]. **Except** [OWZ14]. **Exist** [GKM+16]. **Existential** [GdHKS20]. **expander** [Vid13]. **Expanders** [GGS21]. **Experts** [KS14]. **Explicit** [DM13]. **Exploring** [DFPV15]. **Exponential** [FPS15, GM12, Sri20]. **Expressions** [GHKL18]. **Extensions** [LW20].

Extraction [HPV11]. **Extractors** [DW12].

Faithful [CS23]. **Families** [JM15, KPS19]. **Family** [BBDL+21]. **Fast** [GGS21]. **Faster** [Zeh23]. **Feasible** [Fol23]. **Feature** [BFGS23]. **Feedback** [ALMS18]. **Ferromagnetic** [GL18]. **Few** [KPW20]. **Fields** [BKT13, CS23]. **Filters** [AJMR14]. **Finding** [FGMN11, HM23, KPRR14, Sch17]. **Fine** [CM15, DL21, JLR21, LW22]. **Fine-Grained** [DL21, JLR21, LW22]. **Finite** [CS23, GHKL18, STV20]. **Fixed** [FM23, FFL+13]. **Fixed-Parameter** [FM23]. **Fixing** [AFK+22]. **Flipping** [Juk20]. **FOL** [FGST22]. **Forbidden** [Hav19]. **Foreword** [For09]. **Forgetfulness** [Zeh23]. **Formula** [BIPS10, FGL16]. **Formulae** [Vol16]. **Formulas** [GTT20, KKL+21, MV18, RR19]. **Formulation** [BGMS16]. **Four** [Chi21, PW18a]. **Fourier** [Ail16, ACK+21, HR16]. **Fourier-Sparse** [HR16]. **FPT** [FJ14, GKM20]. **Fractal** [Lut21]. **Free** [GGR16, RR22, BCKP18]. **Freeness** [RR22]. **Frege** [BGLR12, FPS15]. **Frequency** [BH12]. **Full** [KNST19]. **Fully** [BGV14]. **Function** [BCE+19, CEMT14, RT13]. **Functions** [AKP+21, AJMR14, BKT13, HR16, DP19, PRV18, RRS+12, Val14].

Gadgets [CKW19, GKM+16]. **Galois** [FZ16]. **Games** [GTT20, GMPS14, HH13, RW20, RV15, SV12, Wat20a]. **Gap** [ATS19]. **Gates** [KKL+21]. **Gaussian** [DM13]. **General** [CM23, FUZ19, GGS21, GS20, TZ18]. **General-Valued** [FUZ19, TZ18]. **Generator** [Ros20]. **Generator-Enumeration** [Ros20]. **Generators** [AS17, CKLM20]. **Genus** [KV10]. **Geometrical** [BBDL+21]. **Geometry** [SS22]. **Goldreich** [CEMT14]. **Grained** [DL21, JLR21, LW22]. **Graph** [CTW13, CKP+14, DLN+22, FGST22, KPS19, LPRV22]. **Graphic** [GKM20]. **Graphs** [AFK+22, CT18, ES17, GGR16, GJL+21, GKMT17, Kul11, KV10, PW18b, GGR14]. **Grids** [STV20]. **Ground** [GS18]. **Group** [AT11, CTW13, RT16, Ros20]. **Groups** [BFLW22, CM23, OWZ15].

H [LMP19]. **H-Colouring** [LMP19]. **Hadwiger** [FLM+21]. **Hamiltonians** [GS18]. **Hamming** [AGSU15]. **Hamming-Distance** [AGSU15]. **Hard** [BKT13, CFM14, JM15, Vio16, BFLW22, GMSZ21, PW18a, LW22]. **Hardness** [ACC+14, AKPP17, AOTW14, BHP20, BCKP18, Che17, DK13, DM13, GR09, Hru16, OWZ15, Vio19, AH19]. **Hashing** [OWZ14]. **Hereditary** [KPRR14]. **Hidden** [RT16]. **Hierarchies** [Sch16]. **Hierarchy** [Che17]. **High** [Dru13]. **High-confidence** [Dru13]. **Higher** [GM12]. **Homomorphic** [BGV14]. **Homomorphism** [CLV21]. **Homomorphisms** [CS23, GGR16, GJ14, GGR14]. **Horn** [HO20]. **Hurdles** [KS14]. **Hypergraph** [GGW22, LS21]. **Hypergraphs** [Bla19, NŽ22]. **hyperplane** [SS22].

ic [Chi21]. **Identity** [AFS+18, MV18]. **II** [AG14]. **Imply** [FPS15]. **Improved** [ACK+21, DPV09]. **Inapproximability** [GGW22]. **Incidence** [SS22]. **Incompressibility** [CKP+14]. **Increase** [BMT21]. **Independence** [BHLV19]. **Indistinguishability** [HV22]. **Individualization** [AFK+22]. **Induced** [KPRR14]. **Infinite** [FZ16]. **Influence** [RRS+12, ST19]. **Information** [AA20, FJK+16, KRU19, LL18]. **Inner** [PS20]. **Innovations** [AG14, AG13]. **Input** [GM15, Sch17]. **Input-Oblivious** [GM15]. **Insights** [AH19]. **Instances** [CFM14]. **Integer** [KPW20]. **Integers**

[ESY14, GR09, OWZ15]. **Interpolation** [Fol23]. **Intersection** [BMT21]. **Intersections** [Lut21]. **Intrinsically** [BBDL+21]. **Introduction** [AG13, AG14]. **Invariance** [FKMW18]. **Invariant** [BG17]. **Ising** [GJ19]. **Isolation** [Kul11]. **Isomorphism** [AT11, BCE+19, yCG21, CTW13, DLN+22, Ros20]. **Issue** [AG14, AG13].

Joint [BC18]. **Junta** [BCE+19].

Kakeya [LL18]. **Kernel** [KPRR14]. **Kernelizability** [KMW16]. **Kernels** [FLOR15, FJ14]. **Kolmogorov** [HPV11].

Label [AOTW14]. **Landscape** [FM23]. **Large** [OWZ15]. **Layered** [CT18]. **LCCs** [BG17]. **Leader** [TKM12]. **Leading** [CKW19]. **Leaf** [KKL+21]. **Learning** [HH13, HO20, KS14]. **Length** [AS17, GM12, Sch17]. **Leveled** [BGV14]. **Lifting** [Wat20b]. **Limitations** [AJMR14, CKK16]. **Limits** [TZ18]. **Line** [MN22]. **Linear** [CHIS12, FHRS16, GR09, KPW20, DP19, Vid13, VK22, Wil13]. **Linear-time** [Vid13]. **Linearity** [CMS20]. **Linearly** [NŽ22]. **Lipschitz** [AJMR14]. **List** [CJO+23, GGJ17, HR16]. **List-Decoding** [HR16]. **Local** [AJMR14, CKLM20, GS18, GGK19]. **Locality** [OWZ14]. **Locality-Sensitive** [OWZ14]. **Localize** [MYKM21]. **Locally** [DW12, GM12, GGK19]. **Log** [BTV09, DLN+22, SS22]. **Log-rank** [SS22]. **Log-Space** [BTV09, DLN+22]. **Logarithmic** [CM15]. **Logarithmically** [PS20]. **Logspace** [ES17, KV10]. **Long** [BSHLM09]. **Loss** [ATS19]. **Lovász** [yCG21]. **Low** [BKT13, GKM20, JP19, KKL+21]. **Low-Communication** [KKL+21]. **Low-Complexity** [GKM20]. **Low-Degree** [BKT13, JP19]. **Lower** [Ail16, AGSU15, AFS+18, BGMS16, BG17, BCG19, BłKP+19, CJO+23, CKLM20, DW12, DKS19, FPS15, FLM+21, GW20, HH13, KKL+21, KPW20, KS15, Kom18, KPRR14, Kre21, KMS16, Lau16, OWZ14, Pur11, RR19, Wat14, Wil13, CPPW13]. **LTCs** [BG17].

Machines [BBDL+21]. **Majority** [Vio19]. **Make** [Zeh23]. **Manipulation** [HHM20]. **Many** [PS20]. **Maps** [Vio16]. **Matching** [BGGS21, FMMS20, GMSZ21, GKM+16, GKMT17]. **Matchings** [DKLM10]. **Matrices** [KMS16, VK22]. **matrix** [Pag13]. **Max** [KMW16, OWZ15]. **Max-2Lin** [OWZ15]. **Max-3Lin** [OWZ15]. **Max-Poly** [DSS17]. **Maximization** [ST19]. **Maximum** [ESY14, KMS16]. **Maximum-Rank** [KMS16]. **MCSP** [CKLM20]. **Mechanisms** [PV12b]. **Median** [Cha18]. **Merlin** [PV12a, Wat20a]. **Meta** [FGST22]. **Meta-Theorem** [FGST22]. **Metaquestions** [CL17]. **Method** [BGMS16]. **Methods** [AKP+21]. **Metric** [Cha18]. **Metrics** [GKM20]. **Midpoint** [MYKM21]. **Min** [ACK+21, DSS17]. **Min-entropy** [ACK+21]. **Min/Max** [DSS17]. **Min/Max-Poly** [DSS17]. **Minimal** [TZ15]. **Minimization** [AH19]. **Minimum** [FHRS16]. **Minrank** [Hav19]. **Mixing** [GL18]. **Model** [Ail16, GJ19, GR20, Wat14]. **Modification** [BCKP18, FGST22]. **Modulo** [Che17, GGR16, GGR14]. **Moments** [BH12]. **Monotone** [AJMR14, Bla19, Fol23, DP19, RRS+12, Sri20]. **Morgan** [KKL+21]. **MSO** [GdHKS20]. **Muller** [STV20]. **Multi** [Chi21, KRU19]. **Multi-** [Chi21]. **Multi-Party** [KRU19]. **Multicoloring** [BłKP+19]. **Multicut** [PW18a]. **Multilinear** [Chi21, KNS20]. **Multilinearization** [Hru16]. **Multiparty** [DPV09]. **Multiple** [BH12, HM23]. **multiplication** [Pag13]. **multiway**

[CPPW13]. **Mutual** [CL15].

Nash [SV12]. **Neciporuk** [BGMS16]. **Network** [FM23]. **NL** [DSS17]. **Non** [AH19, AS17, BWZ21, CMS20, VK22]. **Non-** [AH19]. **Non-Boolean** [AS17, BWZ21]. **Non-rigid** [VK22]. **Non-signaling** [CMS20]. **Nonautoreducible** [NS16]. **Noncommutative** [AJR16]. **Nondeterminism** [BGMS16, KPRR14]. **Nondeterministic** [DPV09]. **Nonsubmodular** [ST19]. **Note** [ESY14]. **NP** [Wat20b, AT11, AOTW14, GHPT14, GMSZ21, LW22, Wat12]. **NP-Complete** [GHPT14]. **NP-Hard** [LW22, GMSZ21]. **NP-Hardness** [AOTW14]. **Nucleolus** [GMPS14]. **Number** [AFK+22, FLM+21, GJPW18, RT13]. **Numerical** [SZ14].

Oblivious [AFS+18, GM15, GV20, KNS20]. **obstruction** [FJ14]. **Once** [FGL16, IN19, MV18, Vol16, KNS20, RR19]. **One** [CEMT14, RR22]. **One-Sided** [RR22]. **One-Way** [CEMT14]. **Ones** [KMW16]. **Operators** [KC12]. **Optimal** [AS17, BGLR12, DM13, JP19, OWZ14, PV12b, RR22]. **Optimization** [BCE+19, VLB12]. **Oracles** [HSS21]. **Ordered** [NŽ22]. **orders** [FJ14]. **Other** [BZ20]. **Overdetermined** [GR09]. **Overlaps** [FLOR15].

P [GM15]. **P/poly** [GM15]. **Packing** [AKPP17, FLOR15, Zeh23]. **Pairs** [HM23, PW18a]. **Pairwise** [GJ19]. **Parallel** [PV12a]. **Parameter** [FM23, FFL+13]. **Parameterizations** [FHRS16]. **Parameterized** [ALMS18, AFK+22, BFGS23, BGLR12, CM15, GJL+21, IY18, JM15, KMW16, PRV18, CPPW13]. **Parametric** [FLOR15]. **Parsing** [ESY14]. **Part** [AG14]. **Partial** [IOO21, KMS16]. **Parties** [PS20]. **Partition** [GJPW18]. **Party** [KRU19]. **Pattern** [FMMS20]. **PCP** [GR09]. **PCPPs** [BSHLM09]. **Pebbles** [CMW+12]. **Pebbling** [KS15]. **Perfect** [GKM+16, GKMT17]. **Permanents** [DKLM10]. **Perspective** [ALMS18, GM15]. **Planar** [BTV09, CT18, DLN+22, Kul11, KV10]. **Planarity** [DKLM10, FGST22]. **Planarizing** [GKM+16]. **Plane** [BGGS21, LL18]. **Planes** [Lau16]. **Point** [SS22]. **Point-hyperplane** [SS22]. **Poly** [AS17, DSS17, GM15]. **Poly-Size** [AS17]. **Polynomial** [BGGS21, CT18, Che17, FLOR15, HSS21, VK22]. **Polynomial-Time** [HSS21]. **Polynomials** [BKT13, CLV21, Chi21, JP19, KS12]. **POMDPs** [VLB12]. **Popular** [GMSZ21]. **Power** [AA20, Kul11, Kum20, OS18, RT16]. **PPSZ** [Sch19]. **Predicates** [CHIS12, AH13]. **predictions** [Dru13]. **Prime** [BKT13]. **Principle** [FKMW18]. **Privacy** [KRU19]. **Private** [ACC+14]. **Probability** [ESY14]. **Probe** [Yin10]. **Problem** [DSS17, FHRS16, LV18, TKM12, CFL14]. **Problems** [AH19, AGSU15, AJR16, BFLW22, BCKP18, DFPV15, FM23, FGMN11, FLOR15, FLM+21, HHM20, IN19, JM15, JLR21, KS12, Kom18, KMW16, LW20, LW22, Pur11]. **Product** [GS20, LV18, PS20]. **Products** [Lut21, RR19]. **Program** [DKS19, KS15]. **Programming** [Juk20, KPW20, Wil13]. **Programs** [AFS+18, CMW+12, CM23, GV20, IN19, KNST19, KNS20, DP19, TZ15]. **Projective** [DKS19]. **Promise** [BWZ21]. **Proof** [BCJ19, BHP20, CFM14, Che17, GM15, IOO21, KLMS16, Raz09]. **Proofs** [Lau16, PV12a, Vio19, Wil13, Yin10, BDK+13]. **Properties** [Bla19, LS21, NS16]. **Property** [BC18, PRV18]. **Proposed** [CEMT14]. **Protocols** [BKM18, CM23, Fol23, KRU19]. **Pseudorandom** [AS17, CKLM20, GV20]. **Pseudorandomness** [Vio19]. **PSPACE**

[BFLW22]. **PSPACE-complete** [BFLW22].

QBF [BCJ19, BHP20]. **Quadratic** [Vio16, Wat20a]. **Quantum** [AGSU15, HM23, MN22, ORR13, RV15, TKM12]. **quasi** [FJ14]. **quasi-orders** [FJ14]. **Qubits** [OS18]. **Queries** [CM15, RT16]. **Query** [BSHLM09, BG17, Cha18, GM12, GR09, RRS+12, Smy11].

Ramsey [Lau16]. **Random** [HSS21]. **Randomized** [DPV09, GJPW18]. **Randomness** [HPV11]. **Rank** [KNST19, KMS16, Lau16, BMT21, SS22]. **Rate** [AA20]. **Ratio** [Cha18]. **Reachability** [BTV09, CT18, KV10]. **Read** [AFS+18, FGL16, IN19, KNS20, MV18, RR19, Vol16, BH12]. **Read-** [AFS+18]. **Read-Once** [FGL16, IN19, MV18, Vol16, KNS20, RR19]. **Read/** [BH12]. **Real** [RV13, Val14]. **Reals** [OWZ15]. **Reasons** [BHP20]. **Reconstruction** [KNST19, MV18]. **Reducible** [CTW13]. **Reduction** [KV10]. **Reductions** [BCG19, DL21, Wat12]. **Reed** [STV20]. **Reflexive** [LMP19]. **regular** [Vid13]. **rejection** [ORR13]. **Related** [AH19, FLM+21, KS12]. **Relation** [GdHKS20]. **Relational** [FZ16]. **Relative** [FJK+16]. **Relativization** [AB18, AB19]. **Relativized** [Wat12]. **Relaxations** [TZ18]. **Relaxed** [GGK19]. **Relevant** [RT13]. **Repetition** [PV12a]. **Representations** [DP19]. **Represented** [ESY14, SV12]. **Require** [GM12, Vio19]. **Resilient** [LPRV22]. **Resistant** [PV12b]. **Resolution** [BCJ19, GTT20]. **Resolution-Based** [BCJ19]. **Results** [AOTW14, CKP+14, DK13, DM13, FMMS20]. **Retractions** [FGZ20]. **rigid** [VK22]. **ROABPs** [KNS20]. **Robber** [GTT20]. **Robust** [DK13]. **Roommates** [GMSZ21]. **Roots** [KS12]. **Rope** [MYKM21]. **Round** [PV12a]. **Routing** [HS10]. **Running** [Kom18].

Samplable [DW12]. **Sample** [GR16, RR22, Vio16]. **Sample-Based** [GR16, RR22]. **Samples** [BC18]. **Sampling** [GW20, RT16, ORR13]. **SAT** [BWZ21, LW20, LW22]. **Satisfaction** [FGL16, JLR21]. **Satisfiability** [DK13]. **Schemes** [DSS17]. **Science** [AG14, AG13]. **SDP** [TZ18]. **Search** [HHM20]. **Secret** [AA20]. **Seed** [AS17]. **Seen** [BZ20]. **Selection** [BFGS23, Cha18]. **Selfish** [HS10]. **Semirings** [GHKL18]. **Sensitive** [OWZ14]. **Sensitivity** [LS21]. **Separate** [FJK+16]. **Separating** [HSS21]. **Separation** [CKP+14, KNS20, Sri20]. **Separations** [DPV09]. **Set** [ALMS18, MN22, PS20, RT16, Zeh23]. **Sets** [GHPT14, GW20, LL18, NS16, FJ14]. **Setting** [GMSZ21]. **Sharing** [AA20]. **Side** [BZ20]. **Sided** [RR22]. **Sign** [BMT21]. **Sign-rank** [BMT21]. **Signal** [BBDL+21]. **signaling** [CMS20]. **Simple** [Raz09]. **Simulations** [Wat20a]. **Simultaneous** [ALMS18]. **Size** [AS17, DKS19, FZ16, HR16, KS15, RT16]. **Skywalker** [MYKM21]. **Sleeping** [KS14]. **Slice** [FKMW18]. **Small** [KLMS16, Sch17, VK22]. **Smoothed** [BM15]. **Solution** [Sch17]. **Solutions** [FGMN11, PV12b, SZ14]. **Solvable** [AT11, Ros20]. **Solvable-Group** [Ros20]. **Solving** [GR09]. **Some** [JP19, JM15]. **Sound** [BSHLM09]. **Source** [Che17]. **Sources** [DW12]. **Space** [BTV09, CT18, CM15, DLN+22, GJL+16, HM23, PW18b]. **Space-Efficient** [GJL+16]. **Sparse** [GR09, HR16]. **Sparsification** [CJO+23, JP19, LW20]. **Spatial** [GL18]. **Special** [AG14, AG13]. **Spin** [GGS21, GL18]. **Split** [ALSZ19]. **Square** [GGR16, KS12]. **Square-Free** [GGR16]. **Stability** [DM13]. **State** [GS18]. **Statistical** [Wat18]. **Steiner** [FM23]. **Stochastic** [VLB12]. **Story** [ALSZ19]. **Strategies** [CMS20]. **Streaming** [BKM18].

Streams [BH12]. **String** [IOO21]. **Strings** [Sch17]. **Strip** [AKPP17]. **Strong** [GGK19]. **Strongly** [Sri20]. **Structural** [NS16, PW18b]. **Structure** [AJR16, LW22]. **Subexponential** [DFPV15]. **Subgraph** [GR20]. **Subgraphs** [Hav19, KPRR14]. **Sublinear** [LPRV22]. **Sublinear-Time** [LPRV22]. **Submodular** [BCE+19]. **Subsequence** [RR22]. **Subsequence-Freeness** [RR22]. **Subset** [GJL+16]. **Succinctly** [ESY14]. **Sum** [GJL+16, KS12, RR19]. **Superpolynomial** [FPS15]. **Surjective** [FUZ19, LMP19]. **Symmetric** [BHLV19]. **Symmetrization** [Kre21]. **Systems** [BHP20, CFM14, GGS21, GM15, GL18, GR09, KLMS16].

Terminal [PW18a]. **Testability** [IY18]. **Testable** [GGK19]. **Testers** [GR16]. **Testing** [AFS+18, BC18, BCG19, BCE+19, CMS20, FGL16, GS20, GR20, MV18, PRV18, RR22]. **Tests** [BHLV19, LV18]. **Their** [BCJ19]. **Theorem** [yCG21, FGST22, GL19, GS20, PV12a, Wat14, Wat20b, Lau16, Raz09]. **Theoretical** [AG14, AG13]. **Theory** [AW09, BM15, KC12]. **Three** [GM12, KNS20]. **Three-Query** [GM12]. **Threshold** [CHIS12]. **Tight** [BłKP+19, FLM+21, KPW20, Kom18]. **Time** [CT18, HM23, HSS21, JLR21, Kom18, LPRV22, Vid13, Zeh23]. **Time-Space** [HM23]. **Tiny** [OWZ14]. **Tolerant** [BCE+19]. **Total** [AKP+21]. **Tractability** [CL17]. **Tractable** [FFL+13, FHRS16, LW20]. **Tradeoff** [HM23]. **Tradeoffs** [HS10]. **Trading** [Wil13]. **Transform** [Ail16]. **Transformations** [FLOR15]. **Tree** [CMW+12, ES17, GL19, GJ14, IN19, Kre21]. **Trichotomy** [GGJ17]. **Tseitin** [GTT20]. **Type** [yCG21].

UL [DSS17]. **Unambiguous** [BTV09]. **uncertainty** [Dru13]. **Understanding** [Che17]. **Uniform** [AA20, Bla19, GM15, LS21]. **Unifying** [AB18, AB19]. **Unions** [GHPT14]. **Unique** [DKLM10]. **Uniqueness** [GL18]. **Universal** [BBDL+21, GL19]. **Unordered** [RW20]. **Unpredictability** [Vio21]. **Untold** [ALSZ19]. **useful** [FJ14]. **usefulness** [AH13]. **Useless** [Juk20]. **Using** [Chi21, FLOR15, JP19, RT16, BC18, DKS19, KPRR14].

Valiant [AJR16]. **Value** [BH12, CFL14]. **Valued** [FUZ19, TZ18]. **Variables** [FMMS20, RT13]. **Variants** [CLV21, STV20]. **Verification** [PV12b]. **Verifying** [BDK+13]. **versus** [BHLV19, DSS17, GJPW18, HHM20]. **Vertex** [ALMS18, AFK+22, FGMN11, Kom18]. **via** [BCG19, DM13, Kre21, KMS16, LW20, Lut21]. **VNP** [Hru16, Sri20]. **VNP-Completeness** [Hru16]. **VP** [Sri20]. **vs** [Cha18].

Way [CEMT14]. **Weakly** [Bla19]. **Weakness** [OS18]. **Weighing** [Pur11]. **Weight** [HV22]. **Weighted** [FZ16, Zeh23]. **Weighting** [DSS17]. **Well** [Ail16]. **Width** [ES17]. **without** [BGV14, Wat12]. **Word** [BFLW22]. **Working** [PW18b]. **Worlds** [Wat12]. **Worst** [ST19, Wat12]. **Worst-Case** [Wat12, ST19]. **Write** [BH12].

XOR [RV15].

Yielding [PV12b].

ZPP [Wat20b].

References

Applebaum:2020:PAS

[AA20] Benny Applebaum and Barak Arkis. On the power of amortization in secret sharing: d-uniform secret sharing and CDS with constant information rate. *ACM Transactions on Computation Theory*, 12(4):24:1–24:21, December 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3417756`.

Aydinlioglu:2018:ARU

[AB18] Baris Aydinlioglu and Eric Bach. Affine relativization: Unifying the algebrization and relativization barriers. *ACM Transactions on Computation Theory*, 10(1): 1:1–1:??, January 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Aydinlioglu:2019:CAR

[AB19] Baris Aydinlioglu and Eric Bach. Corrigendum to affine relativization: Unifying the algebrization and relativization barriers. *ACM Transactions on Computation Theory*, 11(3):16:1–16:??, June 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3317693`.

Ada:2014:HBP

[ACC+14] Anil Ada, Arkadev Chattopadhyay, Stephen A. Cook, Lila Fontes, Michal Koucký, and Toniann Pitassi. The hardness of being private. *ACM Transactions on Computation Theory*, 6 (1):1:1–1:??, March 2014. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Arunachalam:2021:IBF

[ACK+21] Srinivasan Arunachalam, Sourav Chakraborty, Michal Koucký, Nitin Saurabh, and Ronald De Wolf. Improved bounds on Fourier entropy and min-entropy. *ACM Transactions on Computation Theory*, 13(4):22:1–22:40, December 2021. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3470860`.

Arvind:2022:PCF

[AFK+22] Vikraman Arvind, Frank Fuhlbrueck, Johannes Koebler, Sebastian Kuhnert, and Gaurav Rattan. The parameterized complexity of fixing number and vertex individualization in graphs. *ACM Transactions on Computation Theory*, 14(2):9:1–9:??, June 2022. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3558077`.

Anderson:2018:ITL

[AFS+18] Matthew Anderson, Michael A. Forbes, Ramprasad Saptharishi, Amir Shpilka, and Ben Lee Volk. Identity testing and lower bounds for read-k oblivious algebraic branching programs. *ACM Transactions on Computation Theory*, 10(1):3:1–

3:??, January 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Allender:2013:ISI

[AG13] Eric Allender and Shafi Goldwasser. Introduction to the special issue on innovations in theoretical computer science 2012. *ACM Transactions on Computation Theory*, 5(3):8:1–8:??, August 2013. ISSN 1942-3454 (print), 1942-3462 (electronic). Special issue on innovations in theoretical computer science 2012.

Allender:2014:ISI

[AG14] Eric Allender and Shafi Goldwasser. Introduction to the special issue on innovations in theoretical computer science 2012 — Part II. *ACM Transactions on Computation Theory*, 6(3):10:1–10:??, July 2014. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Ambainis:2015:LBD

[AGSU15] Andris Ambainis, William Gasarch, Aravind Srinivasan, and Andrey Utis. Lower bounds on the deterministic and quantum communication complexity of Hamming-distance problems. *ACM Transactions on Computation Theory*, 7(3):10:1–10:??, July 2015. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Austrin:2013:UP

[AH13] Per Austrin and Johan Håstad. On the usefulness of predicates. *ACM Transactions on Computation Theory*, 5(1):1:1–1:??, May 2013. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Allender:2019:NIN

[AH19] Eric Allender and Shuichi Hirahara. New insights on the (non-)Hardness of circuit minimization and related problems. *ACM Transactions on Computation Theory*, 11(4):27:1–27:??, September 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3349616`.

Ailon:2016:OLR

[Ail16] Nir Ailon. An $\Omega((n \log n)/R)$ lower bound for Fourier transform computation in the R-well conditioned model. *ACM Transactions on Computation Theory*, 8(1):4:1–4:??, February 2016. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Awasthi:2014:LLF

[AJMR14] Pranjal Awasthi, Madhav Jha, Marco Molinaro, and Sofya Raskhodnikova. Limitations of local filters of Lipschitz and monotone functions. *ACM Transactions on Computation Theory*, 7(1):2:1–2:??, December 2014. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Arvind:2016:NVC

[AJR16] V. Arvind, P. S. Joglekar, and S. Raja. Noncommutative

Valiant's classes: Structure and complete problems. *ACM Transactions on Computation Theory*, 9(1):3:1–3:??, December 2016. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Ambainis:2021:ACA

[AKP+21] Andris Ambainis, Martins Kokainis, Krisjanis Prusis, Jevgenijs Vihrovs, and Aleksejs Zajakins. All classical adversary methods are equivalent for total functions. *ACM Transactions on Computation Theory*, 13(1):7:1–7:20, March 2021. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3442357`.

Adamaszek:2017:HAS

[AKPP17] Anna Adamaszek, Tomasz Kociumaka, Marcin Pilipczuk, and Michal Pilipczuk. Hardness of approximation for strip packing. *ACM Transactions on Computation Theory*, 9(3):14:1–14:??, October 2017. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Agrawal:2018:SFV

[ALMS18] Akanksha Agrawal, Daniel Lokshtanov, Amer E. Mouawad, and Saket Saurabh. Simultaneous feedback vertex set: a parameterized perspective. *ACM Transactions on Computation Theory*, 10(4):18:1–18:??, October 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Agrawal:2019:SCU

[ALSZ19] Akanksha Agrawal, Daniel Lokshtanov, Saket Saurabh, and Meirav Zehavi. Split contraction: The untold story. *ACM Transactions on Computation Theory*, 11 (3):18:1–18:??, June 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3319909`.

Austrin:2014:NNH

[AOTW14] Per Austrin, Ryan O'Donnell, Li-Yang Tan, and John Wright. New NP-hardness results for 3-coloring and 2-to-1 label cover. *ACM Transactions on Computation Theory*, 6(1):2:1–2:??, March 2014. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Artemenko:2017:PGO

[AS17] Sergei Artemenko and Ronen Shaltiel. Pseudorandom generators with optimal seed length for non-Boolean poly-size circuits. *ACM Transactions on Computation Theory*, 9(2):6:1–6:??, May 2017. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Arvind:2011:SGI

[AT11] Vikraman Arvind and Jacobo Torán. Solvable group isomorphism is (almost) in NP ∩ coNP. *ACM Transactions on Computation Theory*, 2(2):4:1–4:??, March 2011. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Aviv:2019:ELG

[ATS19] Nir Aviv and Amnon Ta-Shma. On the entropy loss and gap of condensers. *ACM Transactions on Computation Theory*, 11 (3):15:1–15:??, June 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3317691`.

Aaronson:2009:ANB

[AW09] Scott Aaronson and Avi Wigderson. Algebrization: a new barrier in complexity theory. *ACM Transactions on Computation Theory*, 1(1):2:1–2:??, February 2009. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Becker:2021:AGC

[BBDL+21] Florent Becker, Tom Besson, Jérôme Durand-Lose, Aurélien Emmanuel, Mohammad-Hadi Foroughmand-Araabi, Sama Goliaei, and Shahrzad Heydarshahi. Abstract geometrical computation 10: an intrinsically universal family of signal machines. *ACM Transactions on Computation Theory*, 13(1):4:1–4:31, March 2021. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3442359`.

Bhattacharyya:2018:PTJ

[BC18] Rishiraj Bhattacharyya and Sourav Chakraborty. Property testing of joint distributions using conditional samples. *ACM Transactions on Computation Theory*, 10(4):16:1–16:??, October 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Blais:2019:TJT

[BCE+19] Eric Blais, Clément L. Canonne, Talya Eden, Amit Levi, and Dana Ron. Tolerant junta testing and the connection to submodular optimization and function isomorphism. *ACM Transactions on Computation Theory*, 11(4):24:1–24:??, September 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3337789`.

Blais:2019:DTL

[BCG19] Eric Blais, Clément L. Canonne, and Tom Gur. Distribution testing lower bounds via reductions from communication complexity. *ACM Transactions on Computation Theory*, 11(2):6:1–6:??, April 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3305270`.

Beyersdorff:2019:NRB

[BCJ19] Olaf Beyersdorff, Leroy Chew, and Mikolás Janota. New resolution-based QBF calculi and their proof complexity. *ACM Transactions on Computation Theory*, 11(4):26:1–26:??, September 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3352155`.

Bliznets:2018:HAF

[BCKP18] Ivan Bliznets, Marek Cygan, Pawel Komosa, and Michal Pilipczuk. Hardness of approximation for H-free edge modification problems. *ACM Transactions on Computation Theory*, 10 (2):9:1–9:??, May 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Beyersdorff:2013:VPC

[BDK+13] Olaf Beyersdorff, Samir Datta, Andreas Krebs, Meena Mahajan, Gido Scharfenberger-Fabian, Karteek Sreenivasaiah, Michael Thomas, and Heribert Vollmer. Verifying proofs in constant depth. *ACM Transactions on Computation Theory*, 5(1):2:1–2:??, May 2013. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Bandyapadhyay:2023:PCF

[BFGS23] Sayan Bandyapadhyay, Fedor V. Fomin, Petr A. Golovach, and Kirill Simonov. Parameterized complexity of feature selection for categorical data clustering. *ACM Transactions on Computation Theory*, 15(3–4): 7:1–7:??, December 2023. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3604797`.

Bartholdi:2022:GAH

[BFLW22] Laurent Bartholdi, Michael Figelius, Markus Lohrey, and Armin Weiß. Groups with ALOGTIME-hard word problems and PSPACE-complete compressed word problems. *ACM Transactions on Computation Theory*, 14(3–4):11:1–11:??, December 2022. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3569708`.

Bhattacharyya:2017:LBC

[BG17] Arnab Bhattacharyya and Sivakanth Gopi. Lower bounds for constant query affine-invariant LCCs and LTCs. *ACM Transactions on Computation Theory*, 9(2): 7:1–7:??, May 2017. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Bezakova:2021:CAM

[BGGS21] Ivona Bezáková, Andreas Galanis, Leslie Ann Goldberg, and Daniel Stefankovic. The complexity of approximating the matching polynomial in the complex plane. *ACM Transactions on Computation Theory*, 13(2): 13:1–13:37, June 2021. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3448645`.

Beyersdorff:2012:PBD

[BGLR12] Olaf Beyersdorff, Nicola Galesi, Massimo Lauria, and Alexander A. Razborov. Parameterized bounded-depth Frege is not optimal. *ACM Transactions on Computation Theory*, 4(3):7:1–7:??, September 2012. CODEN

???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Beame:2016:NAF

[BGMS16] Paul Beame, Nathan Grosshans, Pierre McKenzie, and Luc Segoufin. Nondeterminism and an abstract formulation of Neciporuk's lower bound method. *ACM Transactions on Computation Theory*, 9(1):5:1–5:??, December 2016. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Brakerski:2014:LFH

[BGV14] Zvika Brakerski, Craig Gentry, and Vinod Vaikuntanathan. (Leveled) fully homomorphic encryption without bootstrapping. *ACM Transactions on Computation Theory*, 6(3):13:1–13:??, July 2014. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Beame:2012:VMR

[BH12] Paul Beame and Trinh Huynh. The value of multiple Read/ write streams for approximating frequency moments. *ACM Transactions on Computation Theory*, 3 (2):6:1–6:??, January 2012. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Boppana:2019:BIV

[BHLV19] Ravi Boppana, Johan Håstad, Chin Ho Lee, and Emanuele Viola. Bounded independence versus symmetric tests. *ACM Transactions on Computation Theory*, 11(4):21:1–21:??, September 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3337783`.

Beyersdorff:2020:RHQ

[BHP20] Olaf Beyersdorff, Luke Hinde, and Ján Pich. Reasons for hardness in QBF proof systems. *ACM Transactions on Computation Theory*, 12(2):10:1–10:27, May 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3378665`.

Beame:2010:FCD

[BIPS10] Paul Beame, Russell Impagliazzo, Toniann Pitassi, and Nathan Segerlind. Formula caching in DPLL. *ACM Transactions on Computation Theory*, 1(3):9:1–9:??, March 2010. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Boczkowski:2018:SCP

[BKM18] Lucas Boczkowski, Iordanis Kerenidis, and Frédéric Magniez. Streaming communication protocols. *ACM Transactions on Computation Theory*, 10(4):19:1–19:??, October 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Bogdanov:2013:HFL

[BKT13] Andrej Bogdanov, Akinori Kawachi, and Hidetoki Tanaka. Hard functions for low-degree polynomials over prime fields. *ACM Transactions on Computation Theory*, 5

(2):5:1–5:??, July 2013. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Black:2019:MPU

[Bla19] Timothy Black. Monotone properties of k-uniform hypergraphs are weakly evasive. *ACM Transactions on Computation Theory*, 11(3):14:1–14:??, June 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3313908`.

Bonamy:2019:TLB

[BłKP+19] Marthe Bonamy, łUkasz Kowalik, Michał Pilipczuk, Arkadiusz Socała, and Marcin Wrochna. Tight lower bounds for the complexity of multicoloring. *ACM Transactions on Computation Theory*, 11(3):13:1–13:??, June 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3313906`.

Blaser:2015:SCT

[BM15] Markus Bläser and Bodo Manthey. Smoothed complexity theory. *ACM Transactions on Computation Theory*, 7(2):6:1–6:??, May 2015. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Bun:2021:SRC

[BMT21] Mark Bun, Nikhil S. Mande, and Justin Thaler. Sign-rank can increase under intersection. *ACM Transactions on Computation Theory*, 13(4):24:1–24:17, December 2021. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3470863`.

Ben-Sasson:2009:SQP

[BSHLM09] Eli Ben-Sasson, Prahladh Harsha, Oded Lachish, and Arie Matsliah. Sound 3-query PCPPs are long. *ACM Transactions on Computation Theory*, 1(2):7:1–7:??, September 2009. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Bourke:2009:DPR

[BTV09] Chris Bourke, Raghunath Tewari, and N. V. Vinodchandran. Directed planar reachability is in unambiguous log-space. *ACM Transactions on Computation Theory*, 1(1):4:1–4:??, February 2009. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Brandts:2021:CPS

[BWZ21] Alex Brandts, Marcin Wrochna, and Stanislav Zivný. The complexity of promise SAT on non-Boolean domains. *ACM Transactions on Computation Theory*, 13(4):26:1–26:20, December 2021. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3470867`.

Bulatov:2020:ACC

[BZ20] Andrei A. Bulatov and Stanislav Zivný. Approximate counting CSP seen from the other

side. *ACM Transactions on Computation Theory*, 12(2):11:1–11:19, May 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3389390`.

Cook:2014:OWF

[CEMT14] James Cook, Omid Etesami, Rachel Miller, and Luca Trevisan. On the one-way function candidate proposed by Goldreich. *ACM Transactions on Computation Theory*, 6(3):14:1–14:??, July 2014. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Cook:2014:CCC

[CFL14] Stephen A. Cook, Yuval Filmus, and Dai Tri Man Lê. The complexity of the comparator circuit value problem. *ACM Transactions on Computation Theory*, 6 (4):15:1–15:??, August 2014. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Chen:2014:HIA

[CFM14] Yijia Chen, Jörg Flum, and Moritz Müller. Hard instances of algorithms and proof systems. *ACM Transactions on Computation Theory*, 6(2):7:1–7:??, May 2014. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Chang:2018:MMS

[Cha18] Ching-Lueh Chang. Metric 1-median selection: Query complexity vs. approximation ratio. *ACM Transactions on Computation Theory*, 9(4):20:1–20:??, January 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Chen:2017:PCM

[Che17] Hubie Chen. Proof complexity modulo the polynomial hierarchy: Understanding alternation as a source of hardness. *ACM Transactions on Computation Theory*, 9(3):15:1–15:??, October 2017. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Chillara:2021:CMP

[Chi21] Suryajith Chillara. On computing multilinear polynomials using multi-r-ic depth four circuits. *ACM Transactions on Computation Theory*, 13(3):16:1–16:21, September 2021. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3460952`.

Cheraghchi:2012:ALT

[CHIS12] Mahdi Cheraghchi, Johan Håstad, Marcus Isaksson, and Ola Svensson. Approximating linear threshold predicates. *ACM Transactions on Computation Theory*, 4(1):2:1–2:??, March 2012. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Chen:2023:SLB

[CJO+23] Hubie Chen, Bart M. P. Jansen, Karolina Okrasa, Astrid Pieterse,

and Paweł Rzążewski. Sparsification lower bounds for list H-coloring. *ACM Transactions on Computation Theory*, 15(3–4): 8:1–8:??, December 2023. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3612938`.

Caragiannis:2016:LDA

[CKK16] Ioannis Caragiannis, Christos Kaklamanis, and Maria Kyropoulou. Limitations of deterministic auction design for correlated bidders. *ACM Transactions on Computation Theory*, 8(4): 13:1–13:??, July 2016. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Cheraghchi:2020:CLB

[CKLM20] Mahdi Cheraghchi, Valentine Kabanets, Zhenjian Lu, and Dimitrios Myrisiotis. Circuit lower bounds for MCSP from local pseudorandom generators. *ACM Transactions on Computation Theory*, 12(3):21:1–21:27, July 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3404860`.

Cygan:2014:CCG

[CKP+14] Marek Cygan, Stefan Kratsch, Marcin Pilipczuk, Michal Pilipczuk, and Magnus Wahlström. Clique cover and graph separation: New incompressibility results. *ACM Transactions on Computation Theory*, 6(2):6:1–6:??, May 2014. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Cai:2019:GAG

[CKW19] Jin-Yi Cai, Michael Kowalczyk, and Tyson Williams. Gadgets and anti-gadgets leading to a complexity dichotomy. *ACM Transactions on Computation Theory*, 11(2):7:1–7:??, April 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3305272`.

Case:2015:MD

[CL15] Adam Case and Jack H. Lutz. Mutual dimension. *ACM Transactions on Computation Theory*, 7(3):12:1–12:??, July 2015. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Chen:2017:AMC

[CL17] Hubie Chen and Benoit Larose. Asking the metaquestions in constraint tractability. *ACM Transactions on Computation Theory*, 9(3):11:1–11:??, October 2017. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Chaugule:2021:VHP

[CLV21] Prasad Chaugule, Nutan Limaye, and Aditya Varre. Variants of homomorphism polynomials complete for algebraic complexity classes. *ACM Transactions on Computation Theory*, 13(4):21:1–21:26, December 2021. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

URL https://dl.acm.org/doi/10.1145/3470858.

Chen:2015:FCC

[CM15] Hubie Chen and Moritz Müller. The fine classification of conjunctive queries and parameterized logarithmic space. *ACM Transactions on Computation Theory*, 7(2):7:1–7:??, May 2015. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Cote:2023:CBP

[CM23] Hugo Côté and Pierre McKenzie. Catalytic branching programs from groups and general protocols. *ACM Transactions on Computation Theory*, 15(3–4): 5:1–5:??, December 2023. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL https://dl.acm.org/doi/10.1145/3583085.

Chiesa:2020:TLA

[CMS20] Alessandro Chiesa, Peter Manohar, and Igor Shinkar. Testing linearity against non-signaling strategies. *ACM Transactions on Computation Theory*, 12(3):16:1–16:51, July 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL https://dl.acm.org/doi/abs/10.1145/3397474.

Cook:2012:PBP

[CMW+12] Stephen Cook, Pierre McKenzie, Dustin Wehr, Mark Braverman, and Rahul Santhanam. Pebbles and branching programs for tree evaluation. *ACM Transactions on Computation Theory*, 3(2): 4:1–4:??, January 2012. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Cygan:2013:MCP

[CPPW13] Marek Cygan, Marcin Pilipczuk, Michal Pilipczuk, and Jakub Onufry Wojtaszczyk. On multiway cut parameterized above lower bounds. *ACM Transactions on Computation Theory*, 5(1):3:1–3:??, May 2013. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Chatterjee:2023:CFH

[CS23] Prerona Chatterjee and Ramprasad Saptharishi. Constructing faithful homomorphisms over fields of finite characteristic. *ACM Transactions on Computation Theory*, 15(1–2):1:1–1:??, June 2023. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL https://dl.acm.org/doi/10.1145/3580351.

Chakraborty:2018:SPT

[CT18] Diptarka Chakraborty and Raghunath Tewari. An $O(n\epsilon)$ space and polynomial time algorithm for reachability in directed layered planar graphs. *ACM Transactions on Computation Theory*, 9(4):19:1–19:??, January 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Chattopadhyay:2013:GIA

[CTW13] Arkadev Chattopadhyay, Jacobo Torán, and Fabian Wagner. Graph isomorphism is not

AC^0-reducible to group isomorphism. *ACM Transactions on Computation Theory*, 5(4):13:1–13:??, November 2013. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Drange:2015:ESC

[DFPV15] Pål Grønås Drange, Fedor V. Fomin, Michal Pilipczuk, and Yngve Villanger. Exploring the subexponential complexity of completion problems. *ACM Transactions on Computation Theory*, 7(4):14:1–14:??, September 2015. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Dalmau:2013:RSC

[DK13] Víctor Dalmau and Andrei Krokhin. Robust satisfiability for CSPs: Hardness and algorithmic results. *ACM Transactions on Computation Theory*, 5(4):15:1–15:??, November 2013. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Datta:2010:PDP

[DKLM10] Samir Datta, Raghav Kulkarni, Nutan Limaye, and Meena Mahajan. Planarity, determinants, permanents, and (unique) matchings. *ACM Transactions on Computation Theory*, 1(3):10:1–10:??, March 2010. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Dinesh:2019:CLB

[DKS19] Krishnamoorthy Dinesh, Sajin Koroth, and Jayalal Sarma. Characterization and lower bounds for branching program size using projective dimension. *ACM Transactions on Computation Theory*, 11(2):8:1–8:??, April 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3305274`.

Dell:2021:FGR

[DL21] Holger Dell and John Lapinskas. Fine-grained reductions from approximate counting to decision. *ACM Transactions on Computation Theory*, 13(2):8:1–8:24, June 2021. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3442352`.

Datta:2022:PGI

[DLN+22] Samir Datta, Nutan Limaye, Prajakta Nimbhorkar, Thomas Thierauf, and Fabian Wagner. Planar graph isomorphism is in log-space. *ACM Transactions on Computation Theory*, 14 (2):8:1–8:??, June 2022. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3543686`.

De:2013:EOH

[DM13] Anindya De and Elchanan Mossel. Explicit optimal hardness via Gaussian stability results. *ACM Transactions on Computation Theory*, 5(4):14:1–14:??, November 2013. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Oliveira:2019:RMB

[DP19] Mateus De Oliveira Oliveira and Pavel Pudlák. Representations of monotone Boolean functions by linear programs. *ACM Transactions on Computation Theory*, 11 (4):22:1–22:??, September 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3337787`.

David:2009:ISB

[DPV09] Matei David, Toniann Pitassi, and Emanuele Viola. Improved separations between nondeterministic and randomized multiparty communication. *ACM Transactions on Computation Theory*, 1(2):5:1–5:??, September 2009. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Drucker:2013:HCP

[Dru13] Andrew Drucker. High-confidence predictions under adversarial uncertainty. *ACM Transactions on Computation Theory*, 5(3):12:1–12:??, August 2013. ISSN 1942-3454 (print), 1942-3462 (electronic). Special issue on innovations in theoretical computer science 2012.

Dhayal:2017:MMP

[DSS17] Anant Dhayal, Jayalal Sarma, and Saurabh Sawlani. Min/max-poly weighting schemes and the NL versus UL problem. *ACM Transactions on Computation Theory*, 9(2):10:1–10:??, May 2017. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

De:2012:ELB

[DW12] Anindya De and Thomas Watson. Extractors and lower bounds for locally samplable sources. *ACM Transactions on Computation Theory*, 4(1):3:1–3:??, March 2012. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Englert:2013:EC

[ERSV13] Matthias Englert, Heiko Röglin, Jacob Spönemann, and Berthold Vöcking. Economical caching. *ACM Transactions on Computation Theory*, 5(2):4:1–4:??, July 2013. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Elberfeld:2017:CGB

[ES17] Michael Elberfeld and Pascal Schweitzer. Canonizing graphs of bounded tree width in logspace. *ACM Transactions on Computation Theory*, 9(3):12:1–12:??, October 2017. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Etessami:2014:NCC

[ESY14] Kousha Etessami, Alistair Stewart, and Mihalis Yannakakis. A note on the complexity of comparing succinctly represented integers, with an application to maximum probability parsing. *ACM Transactions on Computation Theory*, 6(2):9:1–9:??, May

2014. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Fellows:2013:DFP

[FFL+13] Michael Fellows, Fedor V. Fomin, Daniel Lokshtanov, Elena Losievskaja, Frances Rosamond, and Saket Saurabh. Distortion is fixed parameter tractable. *ACM Transactions on Computation Theory*, 5(4):16:1–16:??, November 2013. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Fischer:2016:TRO

[FGL16] Eldar Fischer, Yonatan Goldhirsh, and Oded Lachish. Testing read-once formula satisfaction. *ACM Transactions on Computation Theory*, 8(2):5:1–5:??, May 2016. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Fellows:2011:CDF

[FGMN11] Michael R. Fellows, Jiong Guo, Hannes Moser, and Rolf Niedermeier. A complexity dichotomy for finding disjoint solutions of vertex deletion problems. *ACM Transactions on Computation Theory*, 2(2):5:1–5:??, March 2011. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Fomin:2022:AMT

[FGST22] Fedor V. Fomin, Petr A. Golovach, Giannos Stamoulis, and Dimitrios M. Thilikos. An algorithmic meta-theorem for graph modification to planarity and FOL. *ACM Transactions on Computation Theory*, 14(3–4):13:1–13:??, December 2022. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3571278`.

Focke:2020:CAC

[FGZ20] Jacob Focke, Leslie Ann Goldberg, and Stanislav Zivný. The complexity of approximately counting retractions. *ACM Transactions on Computation Theory*, 12(3):15:1–15:43, July 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3397472`.

Fellows:2016:TPM

[FHRS16] Michael R. Fellows, Danny Hermelin, Frances Rosamond, and Hadas Shachnai. Tractable parameterizations for the minimum linear arrangement problem. *ACM Transactions on Computation Theory*, 8(2):6:1–6:??, May 2016. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Fellows:2014:FCU

[FJ14] Michael R. Fellows and Bart M. P. Jansen. FPT is characterized by useful obstruction sets: Connecting algorithms, kernels, and quasi-orders. *ACM Transactions on Computation Theory*, 6(4):16:1–16:??, August 2014. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Fontes:2016:RDD

[FJK+16] Lila Fontes, Rahul Jain, Iordanis Kerenidis, Sophie Laplante, Mathieu Laurière, and Jérémie Roland. Relative discrepancy does not separate information and communication complexity. *ACM Transactions on Computation Theory*, 9(1):4:1–4:??, December 2016. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Filmus:2018:IPS

[FKMW18] Yuval Filmus, Guy Kindler, Elchanan Mossel, and Karl Wimmer. Invariance principle on the slice. *ACM Transactions on Computation Theory*, 10(3):11:1–11:??, June 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Fomin:2021:CHN

[FLM+21] Fedor V. Fomin, Daniel Lokshtanov, Ivan Mihajlin, Saket Saurabh, and Meirav Zehavi. Computation of Hadwiger number and related contraction problems: Tight lower bounds. *ACM Transactions on Computation Theory*, 13(2):10:1–10:25, June 2021. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3448639`.

Fernau:2015:UPT

[FLOR15] Henning Fernau, Alejandro López-Ortiz, and Jazmín Romero. Using parametric transformations toward polynomial kernels for packing problems allowing overlaps. *ACM Transactions on Computation Theory*, 7(3):13:1–13:??, July 2015. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Feldmann:2023:CLF

[FM23] Andreas Emil Feldmann and Dániel Marx. The complexity landscape of fixed-parameter directed Steiner network problems. *ACM Transactions on Computation Theory*, 15(3–4):4:1–4:??, December 2023. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3580376`.

Fernau:2020:PMV

[FMMS20] Henning Fernau, Florin Manea, Robert Mercas, and Markus L. Schmid. Pattern matching with variables: Efficient algorithms and complexity results. *ACM Transactions on Computation Theory*, 12(1):6:1–6:37, February 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3369935`.

Folwarczny:2023:PMF

[Fol23] Lukás Folwarczný. On protocols for monotone feasible interpolation. *ACM Transactions on Computation Theory*, 15(1–2):2:1–2:??, June 2023. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3583754`.

Fortnow:2009:EF

[For09] Lance Fortnow. Editor's foreword. *ACM Transactions on Computation Theory*, 1(1):1:1–1:??, February 2009. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Filmus:2015:ELB

[FPS15] Yuval Filmus, Toniann Pitassi, and Rahul Santhanam. Exponential lower bounds for AC0-Frege imply superpolynomial Frege lower bounds. *ACM Transactions on Computation Theory*, 7 (2):5:1–5:??, May 2015. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Fulla:2019:CBS

[FUZ19] Peter Fulla, Hannes Uppman, and Stanislav Zivný. The complexity of Boolean surjective general-valued CSPs. *ACM Transactions on Computation Theory*, 11(1):4:1–4:??, January 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3282429`.

Fulla:2016:GCW

[FZ16] Peter Fulla and Stanislav Zivný. A Galois connection for weighted (relational) clones of infinite size. *ACM Transactions on Computation Theory*, 8(3):9:1–9:??, May 2016. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Ganian:2020:EMR

[GdHKS20] Robert Ganian, Ronald de Haan, Iyad Kanj, and Stefan Szeider. On existential MSO and its relation to ETH. *ACM Transactions on Computation Theory*, 12(4):22:1–22:32, December 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3417759`.

Galanis:2017:CTA

[GGJ17] Andreas Galanis, Leslie Ann Goldberg, and Mark Jerrum. A complexity trichotomy for approximately counting list H-colorings. *ACM Transactions on Computation Theory*, 9(2): 9:1–9:??, May 2017. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Goldreich:2019:SLT

[GGK19] Oded Goldreich, Tom Gur, and Ilan Komargodski. Strong locally testable codes with relaxed local decoders. *ACM Transactions on Computation Theory*, 11 (3):17:1–17:??, June 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3319907`.

Gobel:2014:CCH

[GGR14] Andreas Göbel, Leslie Ann Goldberg, and David Richerby. The complexity of counting homomorphisms to cactus graphs modulo 2. *ACM Transactions on Computation Theory*, 6(4):17:1–17:??, August 2014. CODEN

???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Gobel:2016:CHS

[GGR16] Andreas Göbel, Leslie Ann Goldberg, and David Richerby. Counting homomorphisms to square-free graphs, modulo 2. *ACM Transactions on Computation Theory*, 8(3):12:1–12:??, May 2016. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Galanis:2021:FAG

[GGS21] Andreas Galanis, Leslie Ann Goldberg, and James Stewart. Fast algorithms for general spin systems on bipartite expanders. *ACM Transactions on Computation Theory*, 13(4): 25:1–25:18, December 2021. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3470865`.

Galanis:2022:ICH

[GGW22] Andreas Galanis, Heng Guo, and Jiaheng Wang. Inapproximability of counting hypergraph colourings. *ACM Transactions on Computation Theory*, 14(3–4):10:1–10:??, December 2022. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3558554`.

Ganardi:2018:CEF

[GHKL18] Moses Ganardi, Danny Hucke, Daniel König, and Markus Lohrey. Circuits and expressions over finite semirings. *ACM Transactions on Computation Theory*, 10(4):15:1–15:??, October 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Glasser:2014:UDN

[GHPT14] Christian Glaßer, John M. Hitchcock, A. Pavan, and Stephan Travers. Unions of disjoint NP-complete sets. *ACM Transactions on Computation Theory*, 6 (1):3:1–3:??, March 2014. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Goldberg:2014:CAC

[GJ14] Leslie Ann Goldberg and Mark Jerrum. The complexity of approximately counting tree homomorphisms. *ACM Transactions on Computation Theory*, 6(2): 8:1–8:??, May 2014. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Goldberg:2019:APC

[GJ19] Leslie Ann Goldberg and Mark Jerrum. Approximating pairwise correlations in the Ising model. *ACM Transactions on Computation Theory*, 11(4):23:1–23:??, September 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3337785`.

Gal:2016:SEA

[GJL+16] Anna Gál, Jing-Tang Jang, Nutan Limaye, Meena Mahajan, and Karteek Sreenivasaiah. Space-efficient approximations for sub-

set sum. *ACM Transactions on Computation Theory*, 8(4):16:1–16:??, July 2016. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Gunda:2021:PAC

[GJL+21] Spoorthy Gunda, Pallavi Jain, Daniel Lokshtanov, Saket Saurabh, and Prafullkumar Tale. On the parameterized approximability of contraction to classes of chordal graphs. *ACM Transactions on Computation Theory*, 13(4):27:1–27:40, December 2021. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3470869`.

Goos:2018:RCV

[GJPW18] Mika Göös, T. S. Jayram, Toniann Pitassi, and Thomas Watson. Randomized communication versus partition number. *ACM Transactions on Computation Theory*, 10(1):4:1–4:??, January 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Gurjar:2016:PGP

[GKM+16] Rohit Gurjar, Arpita Korwar, Jochen Messner, Simon Straub, and Thomas Thierauf. Planarizing gadgets for perfect matching do not exist. *ACM Transactions on Computation Theory*, 8(4):14:1–14:??, July 2016. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Ghosh:2020:FAE

[GKM20] Arijit Ghosh, Sudeshna Kolay, and Gopinath Mishra. FPT algorithms for embedding into low-complexity graphic metrics. *ACM Transactions on Computation Theory*, 12(1):1:1–1:41, February 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3369933`.

Gurjar:2017:EPM

[GKMT17] Rohit Gurjar, Arpita Korwar, Jochen Messner, and Thomas Thierauf. Exact perfect matching in complete graphs. *ACM Transactions on Computation Theory*, 9(2):8:1–8:??, May 2017. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Guo:2018:USM

[GL18] Heng Guo and Pinyan Lu. Uniqueness, spatial mixing, and approximation for ferromagnetic 2-spin systems. *ACM Transactions on Computation Theory*, 10(4):17:1–17:??, October 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Ganardi:2019:UTB

[GL19] Moses Ganardi and Markus Lohrey. A universal tree balancing theorem. *ACM Transactions on Computation Theory*, 11 (1):1:1–1:??, January 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3278158`.

Gal:2012:TQL

[GM12] Anna Gal and Andrew Mills. Three-query locally decodable codes with higher correctness require exponential length. *ACM Transactions on Computation Theory*, 3(2):5:1–5:??, January 2012. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Goldreich:2015:IOP

[GM15] Oded Goldreich and Or Meir. Input-oblivious proof systems and a uniform complexity perspective on P/poly. *ACM Transactions on Computation Theory*, 7(4):16:1–16:??, September 2015. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Greco:2014:CNC

[GMPS14] Gianluigi Greco, Enrico Malizia, Luigi Palopoli, and Francesco Scarcello. The complexity of the nucleolus in compact games. *ACM Transactions on Computation Theory*, 7(1):3:1–3:??, December 2014. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Gupta:2021:PMR

[GMSZ21] Sushmita Gupta, Pranabendu Misra, Saket Saurabh, and Meirav Zehavi. Popular matching in roommates setting is NP-hard. *ACM Transactions on Computation Theory*, 13(2):9:1–9:20, June 2021. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3442354`.

Guruswami:2009:HSS

[GR09] Venkatesan Guruswami and Prasad Raghavendra. Hardness of solving sparse overdetermined linear systems: a 3-query PCP over integers. *ACM Transactions on Computation Theory*, 1(2):6:1–6:??, September 2009. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Goldreich:2016:SBT

[GR16] Oded Goldreich and Dana Ron. On sample-based testers. *ACM Transactions on Computation Theory*, 8(2):7:1–7:??, May 2016. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Goldreich:2020:STM

[GR20] Oded Goldreich and Dana Ron. The subgraph testing model. *ACM Transactions on Computation Theory*, 12(4):28:1–28:32, December 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3428675`.

Gharibian:2018:GSC

[GS18] Sevag Gharibian and Jamie Sikora. Ground state connectivity of local Hamiltonians. *ACM Transactions on Computation Theory*, 10(2):8:1–8:??, May 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Goldenberg:2020:TGD

[GS20] Elazar Goldenberg and Karthik C. S. Toward a general direct prod-

uct testing theorem. *ACM Transactions on Computation Theory*, 12(1):7:1–7:18, February 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3369939`.

Galesi:2020:CRG

[GTT20] Nicola Galesi, Navid Talebanfard, and Jacobo Torán. Cops–robber games and the resolution of Tseitin formulas. *ACM Transactions on Computation Theory*, 12(2):9:1–9:22, May 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3378667`.

Gurjar:2020:PBO

[GV20] Rohit Gurjar and Ben Lee Volk. Pseudorandom bits for oblivious branching programs. *ACM Transactions on Computation Theory*, 12(2):8:1–8:12, May 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3378663`.

Goos:2020:LBS

[GW20] Mika Göös and Thomas Watson. A lower bound for sampling disjoint sets. *ACM Transactions on Computation Theory*, 12(3):20:1–20:13, July 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3404858`.

Haviv:2019:MFS

[Hav19] Ishay Haviv. On minrank and forbidden subgraphs. *ACM Transactions on Computation Theory*, 11(4):20:1–20:??, September 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3322817`.

Harkins:2013:ELA

[HH13] Ryan C. Harkins and John M. Hitchcock. Exact learning algorithms, betting games, and circuit lower bounds. *ACM Transactions on Computation Theory*, 5(4):18:1–18:??, November 2013. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Hemaspaandra:2020:SVD

[HHM20] Edith Hemaspaandra, Lane A. Hemaspaandra, and Curtis Menton. Search versus decision for election manipulation problems. *ACM Transactions on Computation Theory*, 12(1):3:1–3:42, February 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3369937`.

Hamoudi:2023:QTS

[HM23] Yassine Hamoudi and Frédéric Magniez. Quantum time-space tradeoff for finding multiple collision pairs. *ACM Transactions on Computation Theory*, 15(1–2):3:1–3:??, June 2023. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

URL https://dl.acm.org/doi/10.1145/3589986.

Hermo:2020:ELB

[HO20] Montserrat Hermo and Ana Ozaki. Exact learning: On the boundary between Horn and CNF. *ACM Transactions on Computation Theory*, 12(1):4:1–4:25, February 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL https://dl.acm.org/doi/abs/10.1145/3369930.

Hitchcock:2011:KCR

[HPV11] John M. Hitchcock, A. Pavan, and N. V. Vinodchandran. Kolmogorov complexity in randomness extraction. *ACM Transactions on Computation Theory*, 3 (1):1:1–1:??, August 2011. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Haviv:2016:LDS

[HR16] Ishay Haviv and Oded Regev. The list-decoding size of Fourier-sparse Boolean functions. *ACM Transactions on Computation Theory*, 8(3):10:1–10:??, May 2016. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Hrubes:2016:HMV

[Hru16] P. Hrubes. On hardness of multilinearization and VNP-completeness in characteristic 2. *ACM Transactions on Computation Theory*, 9(1):1:1–1:??, December 2016. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Hoefer:2010:TAC

[HS10] Martin Hoefer and Alexander Souza. Tradeoffs and average-case equilibria in selfish routing. *ACM Transactions on Computation Theory*, 2(1):2:1–2:??, November 2010. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Hitchcock:2021:PTR

[HSS21] John M. Hitchcock, Adewale Sekoni, and Hadi Shafei. Polynomial-time random oracles and separating complexity classes. *ACM Transactions on Computation Theory*, 13(1):1:11–1:16, March 2021. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL https://dl.acm.org/doi/10.1145/3434389.

Huang:2022:ADW

[HV22] Xuangui Huang and Emanuele Viola. Approximate degree, weight, and indistinguishability. *ACM Transactions on Computation Theory*, 14(1):3:1–3:26, March 2022. ISSN 1942-3454 (print), 1942-3462 (electronic). URL https://doi.org/10.1145/3492338.

Iwama:2019:ROB

[IN19] Kazuo Iwama and Atsuki Nagao. Read-once branching programs for tree evaluation problems. *ACM Transactions on Computation Theory*, 11(1):5:1–5:??, January 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL https:/

/dl.acm.org/ft_gateway.cfm?id=3282433.

Itsykson:2021:CPC

[IOO21] Dmitry Itsykson, Alexander Okhotin, and Vsevolod Oparin. Computational and proof complexity of partial string avoidability. *ACM Transactions on Computation Theory*, 13(1):6:1–6:25, March 2021. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL https://dl.acm.org/doi/10.1145/3442365.

Iwama:2018:PT

[IY18] Kazuo Iwama and Yuichi Yoshida. Parameterized testability. *ACM Transactions on Computation Theory*, 9(4):16:1–16:??, January 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Jonsson:2021:FGT

[JLR21] Peter Jonsson, Victor Lagerkvist, and Biman Roy. Fine-grained time complexity of constraint satisfaction problems. *ACM Transactions on Computation Theory*, 13(1):2:1–2:32, March 2021. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL https://dl.acm.org/doi/10.1145/3434387.

Jerrum:2015:SHF

[JM15] Mark Jerrum and Kitty Meeks. Some hard families of parameterized counting problems. *ACM Transactions on Computation Theory*, 7(3):11:1–11:??, July 2015. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Jansen:2019:OSS

[JP19] Bart M. P. Jansen and Astrid Pieterse. Optimal sparsification for some binary CSPs using low-degree polynomials. *ACM Transactions on Computation Theory*, 11(4):28:1–28:??, September 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL https://dl.acm.org/ft_gateway.cfm?id=3349618.

Jukna:2020:CFD

[Juk20] Stasys Jukna. Coin flipping in dynamic programming is almost useless. *ACM Transactions on Computation Theory*, 12 (3):17:1–17:26, July 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL https://dl.acm.org/doi/abs/10.1145/3397476.

Kawamura:2012:CTO

[KC12] Akitoshi Kawamura and Stephen Cook. Complexity theory for operators in analysis. *ACM Transactions on Computation Theory*, 4(2):5:1–5:??, May 2012. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Kabanets:2021:ALB

[KKL+21] Valentine Kabanets, Sajin Koroth, Zhenjian Lu, Dimitrios Myrisiotis, and Igor C. Oliveira. Algorithms and lower bounds for De Morgan formulas of low-communication leaf gates. *ACM*

Transactions on Computation Theory, 13(4):23:1–23:37, December 2021. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3470861`.

Krebs:2016:SDP

[KLMS16] Andreas Krebs, Nutan Limaye, Meena Mahajan, and Karteek Sreenivasaiah. Small depth proof systems. *ACM Transactions on Computation Theory*, 9(1):2:1–2:??, December 2016. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Kumar:2016:ACL

[KMS16] Mrinal Kumar, Gaurav Maheshwari, and Jayalal Sarma. Arithmetic circuit lower bounds via maximum-rank of partial derivative matrices. *ACM Transactions on Computation Theory*, 8 (3):8:1–8:??, May 2016. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Kratsch:2016:PCK

[KMW16] Stefan Kratsch, Dániel Marx, and Magnus Wahlström. Parameterized complexity and kernelizability of max ones and exact ones problems. *ACM Transactions on Computation Theory*, 8 (1):1:1–1:??, February 2016. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Kayal:2020:SBR

[KNS20] Neeraj Kayal, Vineet Nair, and Chandan Saha. Separation between read-once oblivious algebraic branching programs (ROABPs) and multilinear depth-three circuits. *ACM Transactions on Computation Theory*, 12(1):2:1–2:27, February 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3369928`.

Kayal:2019:RFR

[KNST19] Neeraj Kayal, Vineet Nair, Chandan Saha, and Sébastien Tavenas. Reconstruction of full rank algebraic branching programs. *ACM Transactions on Computation Theory*, 11(1):2:1–2:??, January 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3282427`.

Komusiewicz:2018:TRT

[Kom18] Christian Komusiewicz. Tight running time lower bounds for vertex deletion problems. *ACM Transactions on Computation Theory*, 10(2):6:1–6:??, May 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Kratsch:2014:KLB

[KPRR14] Stefan Kratsch, Marcin Pilipczuk, Ashutosh Rai, and Venkatesh Raman. Kernel lower bounds using co-nondeterminism: Finding induced hereditary subgraphs. *ACM Transactions on Computation Theory*, 7(1):4:1–4:??, December 2014. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Kolay:2019:CCG

[KPS19] Sudeshna Kolay, Fahad Panolan, and Saket Saurabh. Communication complexity and graph families. *ACM Transactions on Computation Theory*, 11(2): 11:1–11:??, April 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3313234`.

Knop:2020:TCL

[KPW20] Dusan Knop, Michał Pilipczuk, and Marcin Wrochna. Tight complexity lower bounds for integer linear programming with few constraints. *ACM Transactions on Computation Theory*, 12 (3):19:1–19:19, July 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3397484`.

Kretschmer:2021:LBT

[Kre21] William Kretschmer. Lower bounding the AND–OR tree via symmetrization. *ACM Transactions on Computation Theory*, 13 (1):3:1–3:11, March 2021. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3434385`.

Kerenidis:2019:MPP

[KRU19] Iordanis Kerenidis, Adi Rosén, and Florent Urrutia. Multi-party protocols, information complexity and privacy. *ACM Transactions on Computation Theory*, 11(2):9:1–9:??, April 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3313230`.

Kayal:2012:SSR

[KS12] Neeraj Kayal and Chandan Saha. On the sum of square roots of polynomials and related problems. *ACM Transactions on Computation Theory*, 4(4):9:1–9:??, November 2012. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Kanade:2014:LHS

[KS14] Varun Kanade and Thomas Steinke. Learning hurdles for sleeping experts. *ACM Transactions on Computation Theory*, 6 (3):11:1–11:??, July 2014. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Komarath:2015:PEB

[KS15] Balagopal Komarath and Jayalal Sarma. Pebbling, entropy, and branching program size lower bounds. *ACM Transactions on Computation Theory*, 7(2):8:1–8:??, May 2015. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Kulkarni:2011:PIP

[Kul11] Raghav Kulkarni. On the power of isolation in planar graphs. *ACM Transactions on Computation Theory*, 3(1):2:1–2:??, August 2011. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Kumar:2020:PBD

[Kum20] Mrinal Kumar. On the power of border of depth-3 arithmetic circuits. *ACM Transactions on Computation Theory*, 12(1): 5:1–5:8, February 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3371506`.

Kyncl:2010:LRD

[KV10] Jan Kynčl and Tomáš Vyskočil. Logspace reduction of directed reachability for bounded genus graphs to the planar case. *ACM Transactions on Computation Theory*, 1(3):8:1–8:??, March 2010. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Lauria:2016:RLB

[Lau16] Massimo Lauria. A rank lower bound for cutting planes proofs of Ramsey's Theorem. *ACM Transactions on Computation Theory*, 8(4):17:1–17:??, July 2016. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Lutz:2018:AIP

[LL18] Jack H. Lutz and Neil Lutz. Algorithmic information, plane Kakeya sets, and conditional dimension. *ACM Transactions on Computation Theory*, 10(2):7:1–7:??, May 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Larose:2019:SHC

[LMP19] Benoît Larose, Barnaby Martin, and Daniël Paulusma. Surjective h-colouring over reflexive digraphs. *ACM Transactions on Computation Theory*, 11(1): 3:1–3:??, January 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3282431`.

Levi:2022:ERS

[LPRV22] Amit Levi, Ramesh Krishnan S. Pallavoor, Sofya Raskhodnikova, and Nithin Varma. Erasure-resilient sublinear-time graph algorithms. *ACM Transactions on Computation Theory*, 14(1): 1:1–1:??, March 2022. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3488250`.

Li:2021:SCU

[LS21] Qian Li and Xiaoming Sun. On the sensitivity complexity of k-uniform hypergraph properties. *ACM Transactions on Computation Theory*, 13(2):12:1–12:13, June 2021. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3448643`.

Lutz:2021:FIP

[Lut21] Neil Lutz. Fractal intersections and products via algorithmic dimension. *ACM Transactions on Computation Theory*, 13(3):14:1–14:15, September 2021. CODEN ???? ISSN 1942-3454

(print), 1942-3462 (electronic). URL https://dl.acm.org/doi/10.1145/3460948.

Lee:2018:CPP

[LV18] Chin Ho Lee and Emanuele Viola. The coin problem for product tests. *ACM Transactions on Computation Theory*, 10(3): 14:1–14:??, June 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Lagerkvist:2020:SSC

[LW20] Victor Lagerkvist and Magnus Wahlström. Sparsification of SAT and CSP problems via tractable extensions. *ACM Transactions on Computation Theory*, 12(2): 13:1–13:29, May 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL https://dl.acm.org/doi/abs/10.1145/3389411.

Lagerkvist:2022:CFG

[LW22] Victor Lagerkvist and Magnus Wahlström. The (coarse) fine-grained structure of NP-Hard SAT and CSP problems. *ACM Transactions on Computation Theory*, 14(1):2:1–2:??, March 2022. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL https://dl.acm.org/doi/10.1145/3492336.

Magniez:2022:QDC

[MN22] Frédéric Magniez and Ashwin Nayak. Quantum distributed complexity of set disjointness on a line. *ACM Transactions on Computation Theory*, 14(1):5:1–5:22, March 2022. ISSN 1942-3454 (print), 1942-3462 (electronic). URL https://doi.org/10.1145/3512751.

Minahan:2018:CDI

[MV18] Daniel Minahan and Ilya Volkovich. Complete derandomization of identity testing and reconstruction of read-once formulas. *ACM Transactions on Computation Theory*, 10(3):10:1–10:??, June 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Monde:2021:CSL

[MYKM21] Akihiro Monde, Yukiko Yamauchi, Shuji Kijima, and Yamashita Masafumi. Can a skywalker localize the midpoint of a rope? *ACM Transactions on Computation Theory*, 13(3): 17:1–17:23, September 2021. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL https://dl.acm.org/doi/10.1145/3460954.

Nguyen:2016:SPN

[NS16] Dung Nguyen and Alan L. Selman. Structural properties of nonautoreducible sets. *ACM Transactions on Computation Theory*, 8(3):11:1–11:??, May 2016. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Nakajima:2022:LOC

[NŽ22] Tamio-Vesa Nakajima and Stanislav Živný. Linearly ordered colourings of hypergraphs. *ACM Trans-*

actions on Computation Theory, 14(3–4):12:1–12:??, December 2022. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3570909`.

ODonnell:2020:ENE

[O'D20] Ryan O'Donnell. Editorial from the new Editor-in-Chief. *ACM Transactions on Computation Theory*, 12(1):1e:1, February 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3381517`.

Ozols:2013:QRS

[ORR13] Maris Ozols, Martin Roetteler, and Jérémie Roland. Quantum rejection sampling. *ACM Transactions on Computation Theory*, 5(3):11:1–11:??, August 2013. ISSN 1942-3454 (print), 1942-3462 (electronic). Special issue on innovations in theoretical computer science 2012.

ODonnell:2018:WCQ

[OS18] Ryan O'Donnell and A. C. Cem Say. The weakness of CTC qubits and the power of approximate counting. *ACM Transactions on Computation Theory*, 10 (2):5:1–5:??, May 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

ODonnell:2014:OLB

[OWZ14] Ryan O'Donnell, Yi Wu, and Yuan Zhou. Optimal lower bounds for locality-sensitive hashing (except when q is tiny). *ACM Transactions on Computation Theory*, 6(1):5:1–5:??, March 2014. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

ODonnell:2015:HMM

[OWZ15] Ryan O'Donnell, Yi Wu, and Yuan Zhou. Hardness of Max-2Lin and Max-3Lin over integers, reals, and large cyclic groups. *ACM Transactions on Computation Theory*, 7(2):9:1–9:??, May 2015. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Pagh:2013:CMM

[Pag13] Rasmus Pagh. Compressed matrix multiplication. *ACM Transactions on Computation Theory*, 5(3):9:1–9:??, August 2013. ISSN 1942-3454 (print), 1942-3462 (electronic). Special issue on innovations in theoretical computer science 2012.

Pallavoor:2018:PPT

[PRV18] Ramesh Krishnan S. Pallavoor, Sofya Raskhodnikova, and Nithin Varma. Parameterized property testing of functions. *ACM Transactions on Computation Theory*, 9(4):17:1–17:??, January 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Podolskii:2020:IPS

[PS20] Vladimir V. Podolskii and Alexander A. Sherstov. Inner product and set disjointness: Beyond logarithmically many parties. *ACM Transactions on*

Computation Theory, 12(4):26:1–26:28, December 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3428671`.

Purdy:2011:LBC

[Pur11] Eric Purdy. Lower bounds for coin-weighing problems. *ACM Transactions on Computation Theory*, 2(2):3:1–3:??, March 2011. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Pass:2012:PRT

[PV12a] Rafael Pass and Muthuramakrishnan Venkitasubramaniam. A parallel repetition theorem for constant-round Arthur–Merlin proofs. *ACM Transactions on Computation Theory*, 4(4):10:1–10:??, November 2012. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Penna:2012:CRM

[PV12b] Paolo Penna and Carmine Ventre. Collusion-resistant mechanisms with verification yielding optimal solutions. *ACM Transactions on Computation Theory*, 4(2):6:1–6:??, May 2012. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Pilipczuk:2018:DMW

[PW18a] Marcin Pilipczuk and Magnus Wahlström. Directed multicut is $W[1]$-hard, even for four terminal pairs. *ACM Transactions on Computation Theory*, 10(3):13:1–13:??, June 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Pilipczuk:2018:SEA

[PW18b] Michal Pilipczuk and Marcin Wrochna. On space efficiency of algorithms working on structural decompositions of graphs. *ACM Transactions on Computation Theory*, 9(4):18:1–18:??, January 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Razborov:2009:SPB

[Raz09] Alexander Razborov. A simple proof of Bazzi's Theorem. *ACM Transactions on Computation Theory*, 1(1):3:1–3:??, February 2009. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Rosenbaum:2020:BGE

[Ros20] David J. Rosenbaum. Beating the generator-enumeration bound for solvable-group isomorphism. *ACM Transactions on Computation Theory*, 12(2):12:1–12:18, May 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3389396`.

Ramya:2019:LBS

[RR19] C. Ramya and B. V. Raghavendra Rao. Lower bounds for sum and sum of products of read-once formulas. *ACM Transactions on Computation Theory*, 11

(2):10:1–10:??, April 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3313232`.

Ron:2022:ODF

[RR22] Dana Ron and Asaf Rosin. Optimal distribution-free sample-based testing of subsequence-freeness with one-sided error. *ACM Transactions on Computation Theory*, 14(1):4:1–4:??, March 2022. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3512750`.

Ron:2012:AIM

[RRS+12] Dana Ron, Ronitt Rubinfeld, Muli Safra, Alex Samorodnitsky, and Omri Weinstein. Approximating the influence of monotone Boolean functions in $O(\sqrt{n})$ query complexity. *ACM Transactions on Computation Theory*, 4(4):11:1–11:??, November 2012. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Ron:2013:ANR

[RT13] Dana Ron and Gilad Tsur. On approximating the number of relevant variables in a function. *ACM Transactions on Computation Theory*, 5(2):7:1–7:??, July 2013. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Ron:2016:PEH

[RT16] Dana Ron and Gilad Tsur. The power of an example: Hidden set size approximation using group queries and conditional sampling. *ACM Transactions on Computation Theory*, 8(4):15:1–15:??, July 2016. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Razborov:2013:RA

[RV13] Alexander Razborov and Emanuele Viola. Real advantage. *ACM Transactions on Computation Theory*, 5(4):17:1–17:??, November 2013. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Regev:2015:QXG

[RV15] Oded Regev and Thomas Vidick. Quantum XOR games. *ACM Transactions on Computation Theory*, 7(4):15:1–15:??, September 2015. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Rahman:2020:CUC

[RW20] Md Lutfar Rahman and Thomas Watson. Complexity of unordered CNF games. *ACM Transactions on Computation Theory*, 12(3):18:1–18:18, July 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3397478`.

Schmitz:2016:CHB

[Sch16] Sylvain Schmitz. Complexity hierarchies beyond elementary. *ACM Transactions on Computation Theory*, 8(1):3:1–3:??, February 2016. CODEN ????

ISSN 1942-3454 (print), 1942-3462 (electronic).

Schmid:2017:FCS

[Sch17] Markus L. Schmid. Finding consensus strings with small length difference between input and solution strings. *ACM Transactions on Computation Theory*, 9(3): 13:1–13:??, October 2017. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Scheder:2019:PMB

[Sch19] Dominik Scheder. PPSZ for $k \geq 5$: More is better. *ACM Transactions on Computation Theory*, 11 (4):25:1–25:??, September 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3349613`.

Smyth:2011:AQC

[Smy11] Clifford Smyth. Approximate query complexity. *ACM Transactions on Computation Theory*, 3(1):3:1–3:??, August 2011. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Srinivasan:2020:SES

[Sri20] Srikanth Srinivasan. Strongly exponential separation between monotone VP and monotone VNP. *ACM Transactions on Computation Theory*, 12(4):23:1–23:12, December 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3417758`.

Singer:2022:PHI

[SS22] Noah Singer and Madhu Sudan. Point-hyperplane incidence geometry and the log-rank conjecture. *ACM Transactions on Computation Theory*, 14(2):7:1–7:??, June 2022. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3543684`.

Schoenebeck:2019:BWC

[ST19] Grant Schoenebeck and Biaoshuai Tao. Beyond worst-case (in)approximability of nonsubmodular influence maximization. *ACM Transactions on Computation Theory*, 11(3):12:1–12:??, June 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3313904`.

Srinivasan:2020:DVR

[STV20] Srikanth Srinivasan, Utkarsh Tripathi, and S. Venkitesh. Decoding variants of Reed–Muller codes over finite grids. *ACM Transactions on Computation Theory*, 12(4):25:1–25:11, December 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3417754`.

Schoenebeck:2012:CCN

[SV12] Grant R. Schoenebeck and Salil Vadhan. The computational complexity of Nash equilibria in concisely represented games. *ACM Transactions on Computation Theory*, 4(2):4:1–4:??, May

2012. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Sun:2014:ECN

[SZ14] Shu-Ming Sun and Ning Zhong. On effective convergence of numerical solutions for differential equations. *ACM Transactions on Computation Theory*, 6(1): 4:1–4:??, March 2014. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Tani:2012:EQA

[TKM12] Seiichiro Tani, Hirotada Kobayashi, and Keiji Matsumoto. Exact quantum algorithms for the leader election problem. *ACM Transactions on Computation Theory*, 4(1):1:1–1:??, March 2012. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Teutsch:2015:ADM

[TZ15] Jason Teutsch and Marius Zimand. On approximate decidability of minimal programs. *ACM Transactions on Computation Theory*, 7(4):17:1–17:??, September 2015. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Thapper:2018:LSR

[TZ18] Johan Thapper and Stanislav Zivný. The limits of SDP relaxations for general-valued CSPs. *ACM Transactions on Computation Theory*, 10(3):12:1–12:??, June 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Valiant:2014:ERF

[Val14] Paul Valiant. Evolvability of real functions. *ACM Transactions on Computation Theory*, 6(3):12:1–12:??, July 2014. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Viderman:2013:LTD

[Vid13] Michael Viderman. Linear-time decoding of regular expander codes. *ACM Transactions on Computation Theory*, 5(3):10:1–10:??, August 2013. ISSN 1942-3454 (print), 1942-3462 (electronic). Special issue on innovations in theoretical computer science 2012.

Viola:2016:QMH

[Vio16] Emanuele Viola. Quadratic maps are hard to sample. *ACM Transactions on Computation Theory*, 8(4):18:1–18:??, July 2016. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Viola:2019:CEP

[Vio19] Emanuele Viola. Constant-error pseudorandomness proofs from hardness require majority. *ACM Transactions on Computation Theory*, 11(4):19:1–19:??, September 2019. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/ft_gateway.cfm?id=3322815`.

Viola:2021:AU

[Vio21] Emanuele Viola. AC0 unpredictability. *ACM Transactions on Computation Theory*, 13(1): 5:1–5:8, March 2021. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3442362`.

Volk:2022:PDB

[VK22] Ben Lee Volk and Mrinal Kumar. A polynomial degree bound on equations for non-rigid matrices and small linear circuits. *ACM Transactions on Computation Theory*, 14(2):6:1–6:??, June 2022. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3543685`.

Vlassis:2012:CCS

[VLB12] Nikos Vlassis, Michael L. Littman, and David Barber. On the computational complexity of stochastic controller optimization in POMDPs. *ACM Transactions on Computation Theory*, 4(4):12:1–12:??, November 2012. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Volkovich:2016:CAR

[Vol16] Ilya Volkovich. Characterizing arithmetic read-once formulae. *ACM Transactions on Computation Theory*, 8(1):2:1–2:??, February 2016. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Watson:2012:RWW

[Wat12] Thomas Watson. Relativized worlds without worst-case to average-case reductions for NP. *ACM Transactions on Computation Theory*, 4(3):8:1–8:??, September 2012. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Watson:2014:ALB

[Wat14] Thomas Watson. Advice lower bounds for the dense model theorem. *ACM Transactions on Computation Theory*, 7(1):1:1–1:??, December 2014. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Watson:2018:CCS

[Wat18] Thomas Watson. Communication complexity of statistical distance. *ACM Transactions on Computation Theory*, 10(1):2:1–2:??, January 2018. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Watson:2020:QSM

[Wat20a] Thomas Watson. Quadratic simulations of Merlin–Arthur games. *ACM Transactions on Computation Theory*, 12(2):14:1–14:11, May 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/abs/10.1145/3389399`.

Watson:2020:ZNL

[Wat20b] Thomas Watson. A ZPP NP[1] lifting theorem. *ACM Transactions on Computation Theory*,

12(4):27:1–27:20, December 2020. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3428673`.

Williams:2013:ATP

[Wil13] Ryan Williams. Alternation-trading proofs, linear programming, and lower bounds. *ACM Transactions on Computation Theory*, 5(2):6:1–6:??, July 2013. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Cai:2021:TLD

[yCG21] Jin yi Cai and Artem Govorov. On a theorem of Lovász that $(\cdot, H)$ determines the isomorphism type of H. *ACM Transactions on Computation Theory*, 13 (2):11:1–11:25, June 2021. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3448641`.

Yin:2010:CPP

[Yin10] Yitong Yin. Cell-probe proofs. *ACM Transactions on Computation Theory*, 2(1):1:1–1:??, November 2010. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic).

Zehavi:2023:FCM

[Zeh23] Meirav Zehavi. Forgetfulness can make you faster: an $O * (8.097^k)$-time algorithm for weighted 3-set k-packing. *ACM Transactions on Computation Theory*, 15(3–4): 6:1–6:??, December 2023. CODEN ???? ISSN 1942-3454 (print), 1942-3462 (electronic). URL `https://dl.acm.org/doi/10.1145/3599722`.