

# A Bibliography of Publications in *Theoretical Computer Science*: 2025–2029

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

Tel: +1 801 581 5254  
E-mail: [beebe@math.utah.edu](mailto:beebe@math.utah.edu), [beebe@acm.org](mailto:beebe@acm.org),  
[beebe@computer.org](mailto:beebe@computer.org) (Internet)  
WWW URL: <https://www.math.utah.edu/~beebe/>

15 January 2025  
Version 1.03

## Title word cross-reference

0, 1, 2 [45]. **b** [36]. **d** [36]. **k** [45, 62, 77].

**-ary** [45]. **-center** [77]. **-error** [45]. **-way** [62].

**1** [21, 54]. **12** [57, 43]. **19** [70].

**2** [56]. **2025** [56, 57, 70, 21, 43]. **2d** [64].

**943** [39].

**ABCD** [68]. **accident** [8]. **action** [53].  
**acyclic** [9]. **Adaptive** [66, 23]. **Adding** [54].  
**agent** [72, 7]. **agreement** [48]. **Algebraic** [38].  
**Algorithm** [1, 39, 8]. **Algorithms** [9, 65, 25, 32, 62, 77, 30, 37, 75, 10].  
**allocations** [67, 69]. **analog** [53]. **analysis**

[17]. **anonymous** [52, 23]. **any** [48].  
**approach** [69]. **Approximating** [50, 6, 2].  
**Approximation** [25, 10, 60, 65, 79]. **area** [76]. **area-proportional** [76]. **arithmetic** [53].  
**arrangement** [34]. **ary** [45]. **assisted** [5].  
**asynchronous** [44]. **asynchrony** [32].  
**attribute** [5]. **attribute-based** [5].  
**Availability** [1, 39]. **axis** [48].

**Balancing** [59]. **base** [36]. **Based** [1, 39, 66, 40, 69, 5]. **Big** [37]. **bijective** [73].  
**black** [16, 78]. **blocking** [8]. **Board** [20, 42, 55, 58, 71]. **bounded** [77]. **box** [78].  
**bubble** [17]. **bubble-sort** [17]. **Burrows** [73].

**candidate** [31]. **capacitated** [79].  
**cardinality** [49]. **center** [77]. **central** [51].  
**chains** [3]. **charging** [16]. **Chemical** [53].  
**chordal** [4]. **chores** [69]. **ciphertext** [74].

circle [52, 10]. classes [13]. classification [37]. **Cloud** [1, 39, 5]. cloud-assisted [5]. clustering [79, 77]. collective [23]. coloring [4]. communities [68]. Comparison [37]. complete [47]. Complexity [63, 67]. compressed [74]. computations [53]. computer [39]. computers [53]. computing [44]. concerning [24, 63]. conditional [34]. Conjecture [54]. connectivity [34]. constraint [49]. constraints [54]. Constructing [16]. contact [76]. containing [10]. containment [61]. contextual [24]. contiguous [65]. counting [29]. cover [2]. covering [25]. cubes [47]. cut [27].

data [59, 30, 37]. decision [24, 6]. declined [17]. delays [62]. deletions [24]. delivery [7]. **Density** [45]. Deterministic [62]. Dichotomies [61]. dichotomy [15]. differential [30]. directed [9]. direction [54]. disjunctive [22]. disks [25]. distance [65]. Distributed [44, 66, 77]. diversity [12, 59]. division [36]. domain [15]. domination [63]. Double [17, 27]. double-cut-and-joins [27]. DQN [75]. dual [62]. during [8]. Dynamic [7, 23]. Dynamically [22]. dynamics [72].

**e-healthcare** [5]. Editorial [20, 42, 55, 58, 71]. Efficient [8]. EFX [69]. Egalitarian [67]. Enabling [34]. encrypt [74]. enhancement [74]. equal [73]. equal-letter [73]. equations [30]. equivalent [22]. error [45]. Euclidean [36]. evolutionary [72]. Exact [65, 64, 35]. exchange [30]. existence [13]. Extremal [3].

facility [31]. failure [48]. fast [78]. Fault [48, 17]. **Fault-tolerant** [48]. February [56, 57, 70]. finder [78]. Finding [29, 7, 10]. fine [60]. fine-grained [60]. Finer [60]. Finer-grained [60]. formalization [30]. FPT [79]. freshness [59]. funneled [13].

Gathering [52, 14]. genomes [27]. Geography [19]. gradient [72]. grained [60]. graph [34]. graphs [9, 63, 4]. grid [14]. grids [18].

hardness [60]. healthcare [5]. hiding [5]. high [34]. Holant [15]. hypotheses [6].

Implementing [53]. Improved [75]. independent [47]. independently [28]. index [3]. indivisible [69]. inexact [64]. infinite [18, 14]. information [40, 5]. information-based [40]. Injective [4]. insertions [24]. Instance [40]. Instance-optimal [40]. integrity [41]. issues [63].

January [21, 43]. joins [27]. Josephus [47].

keyword [5]. Kirchhoff [3]. knowledge [11]. Kotzig [19].

large [29]. layered [76]. learning [66, 37, 75]. letter [73]. limited [52]. Limiting [1, 39]. load [7]. local [23, 44]. location [31]. locations [31]. lower [77]. lower-bounded [77].

machine [37]. mass [53]. Matching [69, 62]. Matching-based [69]. matroidal [34]. max [72, 49]. maximum [10]. method [66]. methods [30]. metric [77]. minimization [59]. minimum [25]. minor [61]. mixed [16]. mixed-charging [16]. mobile [18]. mobility [48]. model [68, 44, 17]. Modified [1, 39]. modulo [32]. monadic [46]. monographs [38]. multi [72, 7, 5]. multi-agent [72]. multi-keyword [5]. multi-load [7]. MultiCover [35]. multiplication [32]. mutual [48]. myopic [14].

- networks [22, 16, 13, 26, 34, 17, 23, 8].  
 Newton [66]. Nim [19]. node [17]. notice [39]. number [73]. numerical [30].  
 oblivious [18, 52]. online [62]. optimal [40, 14]. Optimizing [1, 39]. orientations [13]. orienteering [9]. outliers [79]. overlaps [45].  
 Packing [28]. parallel [30]. parameterizations [41]. parameters [61].  
 Parking [18]. partial [2, 30]. partitions [26]. Path [26, 50, 7]. period [8]. phylogenetic [13, 26]. pickup [7]. placements [51]. planar [51]. ply [25]. point [51]. points [25]. policy [72]. polynomials [78]. polyphenyl [3]. Popularity [12]. population [33]. prefix [27]. presence [48]. primal [62]. primal-dual [62]. priority [6]. Privacy [33]. probabilistic [33]. problem [35, 9, 18, 65, 12, 50, 7, 63, 8]. problems [24]. properties [38]. proportional [76]. protocols [33]. pruning [66]. pruning-based [66]. quadruple [63]. Rate [1, 39]. rectangle [76]. red [16]. red-black [16]. reductions [60]. regret [59]. reinforcement [75]. reliability [34, 17]. representations [76]. respect [3]. responses [23]. Restricted [15]. Retraction [39]. robots [18, 52, 14]. Roman [63]. roommate [67, 12]. root [78]. root-finder [78]. rooted [13]. rumor [8]. runs [73]. safety [8]. SARSA [75]. SAT [49]. Scalability [1, 39]. Scale [1, 39]. scenario [2]. scenarios [50]. scheduling [33]. scheme [5]. science [39]. search [64, 5]. security [74]. selection [59]. Self [68]. Self-similarity [68]. sensitive [5]. Services [1, 39]. set [51, 2]. sets [59, 37]. settings [72]. sharing [64, 5]. shortest [50]. side [64]. side-sharing [64]. Sign [74]. Sign-then-encrypt [74]. similarity [68]. sizes [15]. small [29]. social [8]. soft [72]. soft-max [72]. Software [1, 39]. solving [30]. sort [17]. Sorting [27]. space [77]. spanners [16]. spanning [47]. specified [53]. speed [53]. sphere [10]. squares [25, 28]. stability [67]. stimuli [23]. stochastic [8]. strong [59]. Structural [41, 61]. subclasses [4]. subnetwork [17]. Subset [35]. Synergistic [11]. systems [53, 5]. tandems [64]. Theoretical [39]. theory [46]. thief [9]. Time [14]. Tolerance [32]. tolerant [48]. toric [46]. tournaments [29]. transform [73]. transformations [38]. translocation [65]. tree [61]. trees [47, 6]. triangular [14]. Truthful [31]. two [31]. two-facility [31]. unit [25]. used [30]. Using [1, 39]. variants [19]. vehicular [16]. Verifiable [5]. Vertex [47, 41]. Vertex-independent [47]. vertices [51]. via [34]. visibility [52, 48]. voting [40]. way [62]. Wheeler [73]. without [48]. words [45, 46].

## References

Latha:2023:OSA

- [1] V. L. Padma Latha, N. Sudhakar Reddy, and A. Suresh Babu. Optimizing scalability and availability of cloud based software services using modified scale rate limiting algorithm. *Theoretical Computer Science*, 943(??):230–240, January 17, 2023. CODEN TC-

SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397522004418>. See retraction notice [39].

**Dimant:2025:APS**

- [2] Shai Michael Dimant and Sven O. Krumke. On approximating partial scenario set cover. *Theoretical Computer Science*, 1023(??):??, January 1, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005085>.

**Li:2025:EPC**

- [3] Chengmin Li, Hong Bian, and Haizheng Yu. Extremal polyphenyl chains with respect to the Kirchhoff index. *Theoretical Computer Science*, 1023(??):??, January 1, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005103>.

**Panda:2025:ICS**

- [4] B. S. Panda and Rumki Ghosh. Injective coloring of subclasses of chordal graphs. *Theoretical Computer Science*, 1023(??):??, January 1, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005115>.

**Zhao:2025:VAB**

- [5] Jie Zhao, Hejiao Huang, Yongliang Xu, Xiaojun Zhang, Hongwei Du, and Chao Huang. Verifiable attribute-based multi-keyword search scheme with sensitive

information hiding for cloud-assisted e-healthcare sharing systems. *Theoretical Computer Science*, 1023(??):??, January 1, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005127>.

**Yuan:2025:ADT**

- [6] Jing Yuan and Shaojie Tang. Approximating decision trees with priority hypotheses. *Theoretical Computer Science*, 1023(??):??, January 1, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005139>.

**Li:2025:DPF**

- [7] Yifei Li, Ruixi Huang, Hao Ye, Hejiao Huang, and Hongwei Du. Dynamic path finding for multi-load agent pickup and delivery problem. *Theoretical Computer Science*, 1023(??):??, January 1, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005140>.

**Zhu:2025:EAS**

- [8] Jianming Zhu, Ye Xing, Runzhi Li, Smita Ghosh, Priyanshi Garg, and Weili Wu. Efficient algorithm for stochastic rumor blocking problem in social networks during safety accident period. *Theoretical Computer Science*, 1023(??):??, January 1, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005152>.

- |  |  |
|--|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Bloch-Hansen:2025:ATO</b></div> <p>[9] Andrew Bloch-Hansen, Roberto Solis-Oba, and Daniel R. Page. Algorithms for the thief orienteering problem on directed acyclic graphs. <i>Theoretical Computer Science</i>, 1023(??):??, January 1, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <a href="http://www.sciencedirect.com/science/article/pii/S0304397524005176">http://www.sciencedirect.com/science/article/pii/S0304397524005176</a>.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Zhang:2025:AAF</b></div> <p>[10] Kaiqi Zhang, Siyuan Zhang, Jirun Gao, Hongzhi Wang, Hong Gao, and Jianzhong Li. Approximation algorithms for finding maximum containing circle and sphere. <i>Theoretical Computer Science</i>, 1023(??):??, January 1, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <a href="http://www.sciencedirect.com/science/article/pii/S0304397524005188">http://www.sciencedirect.com/science/article/pii/S0304397524005188</a>.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Cachin:2025:SK</b></div> <p>[11] Christian Cachin, David Lehnher, and Thomas Studer. Synergistic knowledge. <i>Theoretical Computer Science</i>, 1023(??):??, January 1, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <a href="http://www.sciencedirect.com/science/article/pii/S030439752400519X">http://www.sciencedirect.com/science/article/pii/S030439752400519X</a>.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Ge:2025:PRD</b></div> <p>[12] Steven Ge and Toshiya Itoh. Popularity on the roommate diversity problem. <i>Theoretical Computer Science</i>, 1023(??):??, January 1, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <a href="http://www.sciencedirect.com/science/article/pii/S0304397524005206">http://www.sciencedirect.com/science/article/pii/S0304397524005206</a>.</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Docker:2025:EFO</b></div> <p>[13] Janosch Döcker and Simone Linz. On the existence of funneled orientations for classes of rooted phylogenetic networks. <i>Theoretical Computer Science</i>, 1023(??):??, January 1, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <a href="http://www.sciencedirect.com/science/article/pii/S0304397524005255">http://www.sciencedirect.com/science/article/pii/S0304397524005255</a>.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Goswami:2025:TOG</b></div> <p>[14] Pritam Goswami, Avisek Sharma, Satakshi Ghosh, and Buddhadeb Sau. Time optimal gathering of myopic robots on an infinite triangular grid. <i>Theoretical Computer Science</i>, 1023(??):??, January 1, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <a href="http://www.sciencedirect.com/science/article/pii/S0304397524005474">http://www.sciencedirect.com/science/article/pii/S0304397524005474</a>.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Liu:2025:RHD</b></div> <p>[15] Yin Liu, Austen Z. Fan, and Jin-Yi Cai. Restricted Holant dichotomy on domain sizes 3 and 4. <i>Theoretical Computer Science</i>, 1023(??):??, January 1, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <a href="http://www.sciencedirect.com/science/article/pii/S0304397524005486">http://www.sciencedirect.com/science/article/pii/S0304397524005486</a>.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Bereg:2025:CRB</b></div> <p>[16] Sergey Bereg, Yuya Higashikawa, Naoki Katoh, Junichi Teruyama, Yuki Tokuni, and Binhai Zhu. Constructing red-black spanners for mixed-charging vehicular networks. <i>Theoretical Computer Science</i>, 1023(??):??, January 1, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-</p> |
|--|--|

- 2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005498>.
- Meng:2025:DDS**
- [17] Kaiyue Meng and Yuxing Yang. Double declined subnetwork reliability analysis in bubble-sort networks under node fault model. *Theoretical Computer Science*, 1023(??):??, January 1, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005589>.
- Chakraborty:2025:PPO**
- [18] Abhinav Chakraborty and Krishnendu Mukhopadhyaya. Parking problem by oblivious mobile robots in infinite grids. *Theoretical Computer Science*, 1023(??):??, January 1, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S030439752400570X>.
- Arun:2025:GKN**
- [19] Srinivas Arun. Geography, Kotzig's Nim, and variants. *Theoretical Computer Science*, 1023(??):??, January 1, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005747>.
- Anonymous:2025:EBa**
- [20] Anonymous. Editorial Board. *Theoretical Computer Science*, 1023(??):??, January 1, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524006091>.
- Anonymous:2025:Ja**
- [21] Anonymous. 1 January 2025. *Theoretical Computer Science*, 1023(??):??, January 1, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic).
- Aracena:2025:DED**
- [22] Julio Aracena, Luis Cabrera-Crot, Adrien Richard, and Lilian Salinas. Dynamically equivalent disjunctive networks. *Theoretical Computer Science*, 1024(??):??, January 12, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005164>.
- Oh:2025:ACR**
- [23] Shunhao Oh, Dana Randall, and Andréa W. Richa. Adaptive collective responses to local stimuli in anonymous dynamic networks. *Theoretical Computer Science*, 1024(??):??, January 12, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005218>.
- Ibarra:2025:DPC**
- [24] Oscar H. Ibarra and Ian McQuillan. On decision problems concerning contextual insertions and deletions. *Theoretical Computer Science*, 1024(??):??, January 12, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S030439752400522X>.
- Durocher:2025:AAM**
- [25] Stephane Durocher, J. Mark Keil, and Debajyoti Mondal. Approximation al-

- gorithms for minimum ply covering of points with unit squares and unit disks. *Theoretical Computer Science*, 1024(??):??, January 12, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005231>.
- Lafond:2025:PPP**
- [26] Manuel Lafond and Vincent Moulton. Path partitions of phylogenetic networks. *Theoretical Computer Science*, 1024(??):??, January 12, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005243>.
- Fertin:2025:SGP**
- [27] Guillaume Fertin, Géraldine Jean, and Anthony Labarre. Sorting genomes by prefix double-cut-and-joins. *Theoretical Computer Science*, 1024(??):??, January 12, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005267>.
- Wu:2025:PSI**
- [28] Wei Wu, Hiroki Numaguchi, Nir Halman, Yannan Hu, and Mutsunori Yagiura. Packing squares independently. *Theoretical Computer Science*, 1024(??):??, January 12, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005279>.
- Yuster:2025:FCS**
- [29] Raphael Yuster. Finding and counting small tournaments in large tournaments. *Theoretical Computer Science*, 1024(??):??, January 12, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005280>.
- Samaniego:2025:FPD**
- [30] Cristóbal Samaniego and Guillaume Houzeaux. A formalization of parallel data exchange algorithms used by numerical methods for solving partial differential equations. *Theoretical Computer Science*, 1024(??):??, January 12, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005292>.
- Kanellopoulos:2025:TTF**
- [31] Panagiotis Kanellopoulos, Alexandros A. Voudouris, and Rongsen Zhang. Truthful two-facility location with candidate locations. *Theoretical Computer Science*, 1024(??):??, January 12, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005309>.
- Gupta:2025:TAA**
- [32] Arya Tanmay Gupta and Sandeep S. Kulkarni. Tolerance to asynchrony in algorithms for multiplication and modulo. *Theoretical Computer Science*, 1024(??):??, January 12, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www>.

- [sciencedirect.com/science/article/pii/S0304397524005310.](http://www.sciencedirect.com/science/article/pii/S0304397524005310)
- Amir:2025:PPP**
- [33] Talley Amir and James Aspnes. Privacy in population protocols with probabilistic scheduling. *Theoretical Computer Science*, 1024(??):??, January 12, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005437>.
- Li:2025:EHR**
- [34] Xiao-Yan Li, Zhaoding Lin, Hongbin Zhuang, and Jou-Ming Chang. Enabling high reliability via matroidal connectivity and conditional matroidal connectivity on arrangement graph networks. *Theoretical Computer Science*, 1024(??):??, January 12, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005449>.
- Benoist:2025:ESM**
- [35] Emile Benoist, Guillaume Fertin, and Géraldine Jean. The Exact Sub-set MultiCover problem. *Theoretical Computer Science*, 1024(??):??, January 12, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S030439752400553X>.
- Pin:2025:EDB**
- [36] Jean-Éric Pin. Euclidean division by  $d$  in base  $b$ . *Theoretical Computer Science*, 1024(??):??, January 12, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005541>.
- Singh:2025:CML**
- [37] Barkha Singh, Sreedevi Indu, and Sudipta Majumdar. Comparison of machine learning algorithms for classification of Big Data sets. *Theoretical Computer Science*, 1024(??):??, January 12, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005553>.
- delaTour:2025:APT**
- [38] Thierry Boy de la Tour. Algebraic properties and transformations of monographs. *Theoretical Computer Science*, 1024(??):??, January 12, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005565>.
- Latha:2025:RNO**
- [39] V. L. Padma Latha, N. Sudhakar Reddy, and A. Suresh Babu. Retraction notice to “Optimizing Scalability and Availability of Cloud Based Software Services Using Modified Scale Rate Limiting Algorithm” [Theoretical computer science **943** (2023) 230–240]. *Theoretical Computer Science*, 1024(??):??, January 12, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005619>. See [1].
- Chierichetti:2025:IOI**
- [40] Flavio Chierichetti. Instance-optimal information-based voting. *Theoretical Computer Science*, 1024(??):??,

- January 12, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005620>.
- Gima:2025:SPV**
- [41] Tatsuya Gima, Tesshu Hanaka, Yasuaki Kobayashi, Ryota Murai, Hirotaka Ono, and Yota Otachi. Structural parameterizations of vertex integrity. *Theoretical Computer Science*, 1024(??):??, January 12, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005711>.
- Anonymous:2025:EBb**
- [42] Anonymous. Editorial Board. *Theoretical Computer Science*, 1024(??):??, January 12, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524006170>.
- Anonymous:2025:Jb**
- [43] Anonymous. 12 January 2025. *Theoretical Computer Science*, 1024(??):??, January 12, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic).
- Delporte-Gallet:2025:DCA**
- [44] Carole Delporte-Gallet, Hugues Fauconnier, Pierre Fraigniaud, and Mikaël Rabie. Distributed computing in the asynchronous LOCAL model. *Theoretical Computer Science*, 1025(??):??, February 2, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005693>.
- Anselmo:2025:DAW**
- [45] Marcella Anselmo, Manuela Flores, and Maria Madonia. Density of  $k$ -ary words with 0, 1, 2-error overlaps. *Theoretical Computer Science*, 1025(??):??, February 2, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005759>.
- Berthe:2025:MTT**
- [46] Valérie Berthé, Toghrul Karimov, Joris Nieuwveld, Joël Ouaknine, Mihir Vanhanwala, and James Worrell. The monadic theory of toric words. *Theoretical Computer Science*, 1025(??):??, February 2, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005760>.
- He:2025:VIS**
- [47] Qi He, Yan Wang, Jianxi Fan, and Baolei Cheng. Vertex-independent spanning trees in complete Josephus cubes. *Theoretical Computer Science*, 1025(??):??, February 2, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005863>.
- Pramanick:2025:FTM**
- [48] Subhajit Pramanick, Saswata Jana, and Partha Sarathi Mandal. Fault-tolerant mutual visibility without any axis agreement in presence of mobility failure. *Theoretical Computer Science*, 1025(??):??,

- ??, February 2, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005875>.
- Panolan:2025:MSC**
- [49] Fahad Panolan and Hannane Yaghoubizade. On MAX-SAT with cardinality constraint. *Theoretical Computer Science*, 1025(??):??, February 2, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005887>.
- Kasperski:2025:ASP**
- [50] Adam Kasperski and Paweł Zieliński. Approximating the shortest path problem with scenarios. *Theoretical Computer Science*, 1025(??):??, February 2, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005899>.
- Damaschke:2025:CPN**
- [51] Peter Damaschke, Fredrik Ekstedt, and Raad Salman. On central placements of new vertices in a planar point set. *Theoretical Computer Science*, 1025(??):??, February 2, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005905>.
- DiLuna:2025:GCL**
- [52] Giuseppe Antonio Di Luna, Ryuhei Uehara, Giovanni Viglietta, and Yukiko Yamaguchi. Gathering on a circle with limited visibility by anonymous oblivious robots. *Theoretical Computer Science*, 1025(??):??, February 2, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524005917>.
- Anderson:2025:CMA**
- [53] David F. Anderson and Badal Joshi. Chemical mass-action systems as analog computers: Implementing arithmetic computations at specified speed. *Theoretical Computer Science*, 1025(??):??, February 2, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524006005>.
- Bensmail:2025:ADC**
- [54] Julien Bensmail, Hervé Hocquard, and Clara Marcille. Adding direction constraints to the 1–2–3 Conjecture. *Theoretical Computer Science*, 1025(??):??, February 2, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524006029>.
- Anonymous:2025:EBc**
- [55] Anonymous. Editorial Board. *Theoretical Computer Science*, 1025(??):??, February 2, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0304397524006340>.
- Anonymous:2025:Fa**
- [56] Anonymous. 2 February 2025. *Theoretical Computer Science*, 1025(??):??, February 2, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic).

**Anonymous:2025:Fb**

- [57] Anonymous. 12 February 2025. *Theoretical Computer Science*, 1026(??):??, February 12, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic).

**Anonymous:2025:EBd**

- [58] Anonymous. Editorial Board. *Theoretical Computer Science*, 1026(??):??, February 12, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <https://www.sciencedirect.com/science/article/pii/S0304397524006595>.

**Guo:2025:TSR**

- [59] Hongjie Guo, Jianzhong Li, and Hong Gao. Towards strong regret minimization sets: Balancing freshness and diversity in data selection. *Theoretical Computer Science*, 1026(??):??, February 12, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <https://www.sciencedirect.com/science/article/pii/S0304397524006030>.

**Abboud:2025:FGR**

- [60] Elie Abboud and Noga Ron-Zewi. Finer-grained reductions in fine-grained hardness of approximation. *Theoretical Computer Science*, 1026(??):??, February 12, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <https://www.sciencedirect.com/science/article/pii/S0304397524005930>.

**Gima:2025:DTM**

- [61] Tatsuya Gima, Soh Kumabe, Kazuhiro Kurita, Yuto Okada, and Yota Otachi.

Dichotomies for tree minor containment with structural parameters. *Theoretical Computer Science*, 1026(??):??, February 12, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <https://www.sciencedirect.com/science/article/pii/S0304397524006017>.

**Kakimura:2025:DPD**

- [62] Naonori Kakimura and Tomohiro Nakayoshi. Deterministic primal-dual algorithms for online  $k$ -way matching with delays. *Theoretical Computer Science*, 1026(??):??, February 12, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <https://www.sciencedirect.com/science/article/pii/S0304397524006054>.

**Palagiri:2025:CIC**

- [63] Venkata Subba Reddy Palagiri, Guru Pratap Sharma, and Ismael G. Yero. Complexity issues concerning the quadruple Roman domination problem in graphs. *Theoretical Computer Science*, 1026(??):??, February 12, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <https://www.sciencedirect.com/science/article/pii/S0304397524006303>.

**Marcus:2025:EIS**

- [64] Shoshana Marcus, Dina Sokol, and Sarah Zelikovitz. Exact and inexact search for 2d side-sharing tandems. *Theoretical Computer Science*, 1026(??):??, February 12, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <https://www.sciencedirect.com/science/article/pii/S0304397524006224>.

- Constantin:2025:EAA**
- [65] Maria Constantin and Alexandru Popa. Exact and approximation algorithms for the contiguous translocation distance problem. *Theoretical Computer Science*, 1026(??):??, February 12, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <https://www.sciencedirect.com/science/article/pii/S0304397524006297>.
- Kobayashi:2025:EAI**
- [69] Yusuke Kobayashi, Ryoga Mahara, and Souta Sakamoto. EFX allocations for indivisible chores: Matching-based approach. *Theoretical Computer Science*, 1026(??):??, February 12, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <https://www.sciencedirect.com/science/article/pii/S0304397524006273>.
- Chen:2025:APB**
- [66] Shuzhen Chen, Yuan Yuan, Youming Tao, Tianzhu Wang, Zhipeng Cai, and Dongxiao Yu. Adaptive pruning-based Newton's method for distributed learning. *Theoretical Computer Science*, 1026(??):??, February 12, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <https://www.sciencedirect.com/science/article/pii/S0304397524006042>.
- Anonymous:2025:Fc**
- [70] Anonymous. 19 February 2025. *Theoretical Computer Science*, 1027(??):??, February 19, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic).
- Anonymous:2025:EBe**
- [71] Anonymous. Editorial Board. *Theoretical Computer Science*, 1027(??):??, February 19, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <https://www.sciencedirect.com/science/article/pii/S0304397524006765>.
- Bernasconi:2025:EDS**
- [72] Martino Bernasconi, Federico Cacciamani, Simone Fioravanti, Nicola Gatti, and Francesco Trovò. The evolutionary dynamics of soft-max policy gradient in multi-agent settings. *Theoretical Computer Science*, 1027(??):??, February 19, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <https://www.sciencedirect.com/science/article/pii/S0304397524006285>.

- Biagi:2025:NEL**
- [73] Elena Biagi, Davide Cenzato, Zsuzsanna Lipták, and Giuseppe Romana. On the number of equal-letter runs of the bijective Burrows–Wheeler transform. *Theoretical Computer Science*, 1027(??):??, February 19, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <https://www.sciencedirect.com/science/article/pii/S0304397524006212>.
- Chen:2025:STE**
- [74] Yanbo Chen and Yunlei Zhao. Sign-then-encrypt with security enhancement and compressed ciphertext. *Theoretical Computer Science*, 1027(??):??, February 19, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <https://www.sciencedirect.com/science/article/pii/S0304397524006236>.
- Yao:2025:ISD**
- [75] Guangyu Yao, Nan Zhang, Zhenhua Duan, and Cong Tian. Improved SARSA and DQN algorithms for reinforcement learning. *Theoretical Computer Science*, 1027(??):??, February 19, 2025. CODEN TCSCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <https://www.sciencedirect.com/science/article/pii/S030439752400642X>.
- Haase:2025:LAP**
- [76] Carolina Haase and Philipp Kindermann. On layered area-proportional rectangle contact representations. *Theoretical Computer Science*, 1027(??):??, February 19, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <https://www.sciencedirect.com/science/article/pii/S0304397524006388>.
- Liang:2025:DAL**
- [77] Ting Liang, Xiaoliang Wu, Jinhui Xu, and Qilong Feng. The distributed algorithms for the lower-bounded  $k$ -center clustering in metric space. *Theoretical Computer Science*, 1027(??):??, February 19, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <https://www.sciencedirect.com/science/article/pii/S0304397524005929>.
- Pan:2025:NFR**
- [78] Victor Y. Pan, Soo Go, Qi Luan, and Liang Zhao. A new fast root-finder for black box polynomials. *Theoretical Computer Science*, 1027(??):??, February 19, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <https://www.sciencedirect.com/science/article/pii/S030439752400639X>.
- Dabas:2025:FAC**
- [79] Rajni Dabas, Neelima Gupta, and Tanmay Inamdar. FPT approximation for capacitated clustering with outliers. *Theoretical Computer Science*, 1027(??):??, February 19, 2025. CODEN TC-SCDI. ISSN 0304-3975 (print), 1879-2294 (electronic). URL <https://www.sciencedirect.com/science/article/pii/S0304397524006431>.