

*In Memoriam*

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March 14, 2023

**Warning and Public Call**

I intend to retire on March 1st, 2023. After this day, I will not go on updating this bibliography. I do not know how long my site, and in particular this page, will remain visible.

Therefore, I am searching for a volunteer, to whom I will give my files, who will take over and keep this bibliography alive in the years to come. I think it can be useful for the community of researchers working, or wishing to start to work, in this exciting area.

**Last News**

I am very grateful to Devin C. Jean, who has accepted to take care of this bibliography in a near future. More news later.

**More News (March 14th, 2023)**

**You can now see the bibliography at**

**<https://dragazo.github.io/bibdom/main.pdf>**

**SYSTÈMES DE CONTRÔLE,  
CODES IDENTIFIANTS, LOCALISATEURS-DOMINATEURS  
ET DISCRIMINANTS DANS LES GRAPHS :  
507 références**

**WATCHING SYSTEMS,  
IDENTIFYING, LOCATING-DOMINATING  
AND DISCRIMINATING CODES IN GRAPHS**

## References

- [1] A. K. ABDUL GAFUR and S. W. SAPUTRO: On locating-dominating set of regular graphs, *Journal of Mathematics*, Paper ID 8147514, 6 pages, 2021.
- [2] E. C. AHMAD, G. A. MALACAS and S. R. CANOY, Jr.: Stable locating-dominating sets in graphs, *European Journal of Pure and Applied Mathematics*, Vol. 14(3), pp. 638–649, 2021.
- [3] M. AÏDER, S. GRAVIER and S. SLIMANI: Relaxed locally identifying coloring of graphs, *Graphs and Combinatorics*, Vol. 32(5), pp. 1651–1665, 2016.
- [4] D. ANGEL, I. A. ARPUTHAMARY and K. EZHILARASI: Location domination for generalized friendship graphs analytics, *Proceedings of 2021 5th International Conference on Computing Methodologies and Communication (ICCMC)*, pp. 865–868, 2021.
- [5] G. ARAUJO-PARDO, C. BALBUENA, L. MONTEJANO and J. C. VALENZUELA: Partial linear spaces and identifying codes, *European Journal of Combinatorics*, Vol. 32, pp. 344–351, 2011.
- [6] G. R. ARGIROFFO, S. M. BIANCHI, Y. P. LUCARINI and A. K. WAGLER: A linear-time algorithm for the identifying code problem on block graphs, *Electronic Notes in Discrete Mathematics*, Vol. 62, pp. 249–254, 2017.
- [7] G. R. ARGIROFFO, S. M. BIANCHI, Y. P. LUCARINI and A. K. WAGLER: Polyhedra associated with identifying codes in graphs, *Discrete Applied Mathematics*, Vol. 245, pp. 16–27, 2018.
- [8] G. R. ARGIROFFO, S. M. BIANCHI, Y. P. LUCARINI and A. K. WAGLER: The identifying code, the locating-dominating, the open locating-dominating and the locating total-dominating problems under some graph operations, *Electronic Notes in Theoretical Computer Science*, Vol. 346, pp. 135–145, 2019.

- [9] G. R. ARGIROFFO, S. M. BIANCHI, Y. P. LUCARINI and A. K. WAGLER: Polyhedra associated with open locating-dominating and locating total-dominating sets in graphs, *Lecture Notes in Computer Science*, No. 12176, pp. 3–14, Springer, 2020.
- [10] G. R. ARGIROFFO, S. M. BIANCHI, Y. P. LUCARINI and A. K. WAGLER: Linear-time algorithms for three domination-based separation problems in block graphs, *Discrete Applied Mathematics*, Vol. 281, pp. 6–41, 2020.
- [11] G. R. ARGIROFFO, S. M. BIANCHI, Y. P. LUCARINI and A. K. WAGLER: Polyhedra associated with locating-dominating, open locating-dominating and locating total-dominating sets in graphs, *Discrete Applied Mathematics*, Vol. 322, pp. 465–480, 2022.
- [12] G. R. ARGIROFFO, S. M. BIANCHI and A. K. WAGLER: Polyhedra associated to identifying codes, *Electronic Notes in Discrete Mathematics*, Vol. 44, pp. 175–180, 2013.
- [13] G. R. ARGIROFFO, S. M. BIANCHI and A. K. WAGLER: Study of identifying code polyhedra for some families of split graphs, *Lecture Notes in Computer Science*, No. 8596, pp. 13–25, Springer-Verlag, 2014.
- [14] G. R. ARGIROFFO, S. M. BIANCHI and A. K. WAGLER: On identifying code polyhedra of families of suns, *Proceedings of VIII-th ALIO/EURO Workshop on Applied Combinatorial Optimization*, Montevideo, Uruguay, December 2014.
- [15] G. R. ARGIROFFO, S. M. BIANCHI and A. K. WAGLER: A polyhedral approach to locating-dominating sets in graphs, *Electronic Notes in Discrete Mathematics*, Vol. 50, pp. 89–94, 2015.
- [16] G. R. ARGIROFFO, S. M. BIANCHI and A. K. WAGLER: Progress on the description of identifying code polyhedra for some families of split graphs, *Discrete Optimization*, Vol. 22, pp. 225–240, 2016.
- [17] A. H. ASSIYATUN and E. T. BASKORO: Locating-chromatic number of amalgamation of stars, *Institut Teknologi Bandung Journal of Science*, Vol. 43A, pp. 1–8, 2011.
- [18] D. AUGER: Problèmes d’identification métrique dans les graphes, Rapport interne Télécom Paris-2007D013, Paris, France, 44 pages, 2007.
- [19] D. AUGER: Induced paths in twin-free graphs, *Electronic Journal of Combinatorics*, Vol. 15(1), N17, 2008.  
<http://www.combinatorics.org>

- [20] D. AUGER: Identifying codes in trees and planar graphs, *Electronic Notes in Discrete Mathematics*, Vol. 34, pp. 585–588, 2009.
- [21] D. AUGER: Minimal identifying codes in trees and planar graphs with large girth, *European Journal of Combinatorics*, Vol. 31, pp. 1372–1384, 2010.
- [22] D. AUGER: Problèmes d’identification combinatoire et puissances de graphes, Thèse de Doctorat, Telecom ParisTech, France, 243 pages, June 2010.
- [23] D. AUGER: Combinatorial identification problems and graph powers, *4OR: A Quarterly Journal of Operations Research*, Vol. 9, pp. 417–420, 2011.
- [24] D. AUGER, I. CHARON, I. HONKALA, O. HUDRY and A. LOBSTEIN: Edge number, minimum degree, maximum independent set, radius and diameter in twin-free graphs, *Advances in Mathematics of Communications*, Vol. 3(1), pp. 97–114, 2009. Erratum in Vol. 3(4), pp. 429–430, 2009.
- [25] D. AUGER, I. CHARON, O. HUDRY and A. LOBSTEIN: Existence d’un cycle de longueur au moins 7 dans un graphe sans  $(1, \leq 2)$ -jumeaux, Rapport interne Telecom ParisTech-2009D015, Paris, France, 18 pages, 2009.
- [26] D. AUGER, I. CHARON, O. HUDRY and A. LOBSTEIN: Maximum size of a minimum watching system and the graphs achieving the bound, Rapport interne Telecom ParisTech-2010D011, Paris, France, 40 pages, 2010.
- [27] D. AUGER, I. CHARON, O. HUDRY and A. LOBSTEIN: On the existence of a cycle of length at least 7 in a  $(1, \leq 2)$ -twin-free graph, *Discusiones Mathematicae Graph Theory*, Vol. 30, pp. 591–609, 2010.
- [28] D. AUGER, I. CHARON, O. HUDRY and A. LOBSTEIN: Complexity results for identifying codes in planar graphs, *International Transactions in Operational Research*, Vol. 17, pp. 691–710, 2010.
- [29] D. AUGER, I. CHARON, O. HUDRY and A. LOBSTEIN: Watching systems in graphs: an extension of identifying codes, *Discrete Applied Mathematics*, Vol. 161, pp. 1674–1685, 2013.
- [30] D. AUGER, I. CHARON, O. HUDRY and A. LOBSTEIN: Maximum size of a minimum watching system and the graphs achieving the bound, *Discrete Applied Mathematics*, Vol. 164, pp. 20–33, 2014.
- [31] D. AUGER, G. COHEN and S. MESNAGER: Sphere coverings and identifying codes, *Designs, Codes and Cryptography*, Vol. 70, pp. 3–7, 2014.

- [32] D. AUGER and I. HONKALA: Watching systems in the king grid, *Graphs and Combinatorics*, Vol. 29, pp. 333–347, 2013.
- [33] L. BABAI: On the complexity of canonical labeling of strong regular graphs, *SIAM Journal of Computing*, Vol. 9, pp. 212–216, 1980.
- [34] C. BALBUENA, C. DALFÓ and B. MARTÍNEZ-BARONA: Characterizing identifying codes from the spectrum of a graph or digraph, *Linear Algebra and its Applications*, Vol. 570, pp. 138–147, 2019.
- [35] C. BALBUENA, C. DALFÓ and B. MARTÍNEZ-BARONA: Identifying codes in line digraphs, *Applied Mathematics and Computation*, Vol. 383, 125357, 10 pages, 2020.
- [36] C. BALBUENA, C. DALFÓ and B. MARTÍNEZ-BARONA: Sufficient conditions for a digraph to admit a  $(1, \leq \ell)$ -identifying code, *Discussiones Mathematicae Graph Theory*, Vol. 41(4), pp. 853–872, 2021.
- [37] C. BALBUENA, F. FOUCAUD and A. HANSBERG: Locating-dominating sets and identifying codes in graphs of girth at least 5, *Electronic Journal of Combinatorics*, Vol. 22(2), P2.15, 22 pages, 2015.  
<http://www.combinatorics.org>
- [38] F. BARBERO, L. ISENMANN and J. THIEBAUT: On the distance identifying set meta-problem and applications to the complexity of identifying problems on graphs, *Proceedings of 13th International Symposium on Parameterized and Exact Computation*, Leibniz International Proceedings in Informatics, Vol. 115, Paper 10, 14 pages, 2019.
- [39] F. BARBERO, L. ISENMANN and J. THIEBAUT: On the Distance Identifying Set meta-problem and applications to the complexity of identifying problems on graphs, *Algorithmica*, Vol. 82(8), pp. 2243–2266, 2020.
- [40] E. T. BASKORO and D. I. D. PRIMASKUN: Improved algorithm for the locating-chromatic number of trees, *Theoretical Computer Science*, Vol. 856, pp. 165–168, 2021.
- [41] K. BASU and A. SEN: Identifying individuals associated with organized criminal networks: A social network analysis, *Social Networks*, Vol. 64, pp. 42–54, 2021.
- [42] L. BEAUDOU, P. DANKELMANN, F. FOUCAUD, M. A. HENNING, A. MARY and A. PARREAU: Bounding the order of a graph using its diameter and metric dimension: a study through tree decompositions and VC dimension, *SIAM Journal on Discrete Mathematics*, Vol. 32(2), pp. 902–918, 2018.

- [43] A. BEHTOEI and M. ANBARLOEI: The locating chromatic number of the join of graphs, *Bulletin of the Iranian Mathematical Society*, Vol. 40(6), pp. 1491–1504, 2014.
- [44] A. BEHTOEI and M. ANBARLOEI: A bound for the locating chromatic number of trees, *Transactions on Combinatorics*, Vol. 4(1), pp. 31–41, 2015.
- [45] A. BEHTOEI and B. OMOOMI: On the locating chromatic number of Kneser graphs, *Discrete Applied Mathematics*, Vol. 159, pp. 2214–2221, 2011.
- [46] A. BEHTOEI and B. OMOOMI: On the locating chromatic number of the Cartesian product of graphs, *Ars Combinatoria*, Vol. 126, pp. 221–235, 2016.
- [47] Y. BEN-HAIM, S. GRAVIER, A. LOBSTEIN and J. MONCEL: Adaptive identification in graphs, Rapport interne Télécom Paris-2007D012, Paris, France, 33 pages, September 2007.
- [48] Y. BEN-HAIM, S. GRAVIER, A. LOBSTEIN and J. MONCEL: Adaptive identification in graphs, *Journal of Combinatorial Theory*, Ser. A, Vol. 115, pp. 1114–1126, 2008.
- [49] Y. BEN-HAIM, S. GRAVIER, A. LOBSTEIN and J. MONCEL: Adaptive identification in torii in the king lattice, *Electronic Journal of Combinatorics*, Vol. 18(1), P116, 2011.  
<http://www.combinatorics.org>
- [50] Y. BEN-HAIM and S. LITSYN: Exact minimum density of codes identifying vertices in the square grid, *SIAM Journal on Discrete Mathematics*, Vol. 19, pp. 69–82, 2005.
- [51] J. BENSMAIL, D. MAZAURIC, F. MC INERNEY, N. NISSE and S. PÉRENNES: Sequential metric dimension, *Lecture Notes in Computer Science*, No. 11312, pp. 36–50, Springer-Verlag, 2018.
- [52] T. Y. BERGER-WOLF, W. E. HART and J. SAIA: Discrete sensor placement problems in distribution networks, *Mathematical and Computer Modelling*, Vol. 42, pp. 1385–1396, 2005.
- [53] T. Y. BERGER-WOLF, M. LAIFENFELD and A. TRACHTENBERG: Identifying codes and the set cover problem, *Proceedings of the 44th Annual Allerton Conference on Communication, Control and Computing*, Monticello, USA, September 2006.

- [54] N. BERTRAND: Codes identifiants et codes localisateurs-dominateurs sur certains graphes, Mémoire de stage de maîtrise, ENST, Paris, France, 28 pages, June 2001.
- [55] N. BERTRAND, I. CHARON, O. HUDRY and A. LOBSTEIN: Identifying or locating-dominating codes for some families of graphs, Rapport interne Télécom Paris-2003C001, Paris, France, 48 pages, February 2003.
- [56] N. BERTRAND, I. CHARON, O. HUDRY and A. LOBSTEIN: Identifying and locating-dominating codes on chains and cycles, *European Journal of Combinatorics*, Vol. 25, pp. 969–987, 2004.
- [57] N. BERTRAND, I. CHARON, O. HUDRY and A. LOBSTEIN: 1-identifying codes on trees, *Australasian Journal of Combinatorics*, Vol. 31, pp. 21–35, 2005.
- [58] U. BLASS, I. HONKALA and S. LITSYN: On the size of identifying codes, *Lecture Notes in Computer Science*, No. 1719, pp. 142–147, Springer-Verlag, 1999.
- [59] U. BLASS, I. HONKALA and S. LITSYN: On binary codes for identification, *Journal of Combinatorial Designs*, Vol. 8, pp. 151–156, 2000.
- [60] U. BLASS, I. HONKALA and S. LITSYN: Bounds on identifying codes, *Discrete Mathematics*, Vol. 241, pp. 119–128, 2001.
- [61] M. BLIDIA and M. CHELLALI: Locating domination dot-critical graphs, *Journal of Combinatorial Mathematics and Combinatorial Computing*, Vol. 104, pp. 121–141, 2018.
- [62] M. BLIDIA, M. CHELLALI, R. LOUNES and F. MAFFRAY: Characterizations of trees with unique minimum locating-dominating sets, *Journal of Combinatorial Mathematics and Combinatorial Computing*, Vol. 76, pp. 225–232, 2011.
- [63] M. BLIDIA, M. CHELLALI, F. MAFFRAY, J. MONCEL and A. SEMRI: Locating-domination and identifying codes in trees, *Australasian Journal of Combinatorics*, Vol. 39, pp. 219–232, 2007.
- [64] M. BLIDIA and W. DALI: A characterization of locating-domination edge critical graphs, *Australasian Journal of Combinatorics*, Vol. 44, pp. 297–300, 2009.
- [65] M. BLIDIA and W. DALI: A characterization of locating-total domination edge critical graphs, *Discussiones Mathematicae Graph Theory*, Vol. 31, pp. 197–202, 2011.

- [66] M. BLIDIA and W. DALI: On locating and locating-total domination edge addition critical graphs, *Utilitas Mathematica*, Vol. 94, pp. 303–313, 2014.
- [67] M. BLIDIA, O. FAVARON and R. LOUNES: Locating-domination, 2-domination and independence in trees, *Australasian Journal of Combinatorics*, Vol. 42, pp. 309–316, 2008.
- [68] M. BLIDIA and R. LOUNES: Vertices belonging to all or to no minimum locating dominating sets of trees, *Opuscula Mathematica*, Vol. 29, pp. 5–14, 2009.
- [69] N. BOUSQUET, Q. DESCHAMPS, T. LEHTILÄ and A. PARREAU: Locating-dominating sets: From graphs to oriented graphs, *Discrete Mathematics*, Vol. 346(1), 113124, 2023.
- [70] N. BOUSQUET, A. LAGOUTTE, Z. LI, A. PARREAU and S. THOMASSÉ: Identifying codes and VC-dimension, *Proceedings of Bordeaux Graph Workshop*, Bordeaux, France, pp. 63–64, 2014.
- [71] N. BOUSQUET, A. LAGOUTTE, Z. LI, A. PARREAU and S. THOMASSÉ: Identifying codes in hereditary classes of graphs and VC-dimension, *SIAM Journal on Discrete Mathematics*, Vol. 29(4), pp. 2047–2064, 2015.
- [72] D. BOUTIN, V. H. GOLIBER and M. PELTO: Identifying codes on directed de Bruijn graphs, *Discrete Applied Mathematics*, Vol. 262, pp. 29–41, 2019.
- [73] M. BOUZNIF: Algorithmes génériques en temps constant pour la résolution de problèmes combinatoires dans la classe des rotagraphes et fasciagraphes. Application aux codes identifiants, dominant-localisateurs et total-dominant-localisateurs, Thèse de Doctorat, Université de Grenoble, France, 131 pages, July 2012.
- [74] M. BOUZNIF, J. DARLAY, J. MONCEL and M. PREISSMANN: Exact values for three domination-like problems in circular and infinite grid graphs of small height, *Discrete Mathematics & Theoretical Computer Science*, Vol. 21(3), Paper No. 12, 21 pages, 2019.
- [75] M. BOUZNIF, F. HAVET and M. PREISSMANN: Minimum-density identifying codes in square grids, *Lecture Notes in Computer Science*, No. 9778, pp. 77–88, Springer-Verlag, 2016.
- [76] M. BOUZNIF, J. MONCEL and M. PREISSMANN: Generic algorithms for some decision problems on fasciagraphs and rotagraphs, *Discrete Mathematics*, Vol. 312, pp. 2707–2719, 2012.



- [77] J. CÁCERES, D. GARIJO, M. L. PUERTAS and C. SEARA: On the determining number and the metric dimension of graphs, *Electronic Journal of Combinatorics*, Vol. 17(1), R63, 2010.  
<http://www.combinatorics.org>
- [78] J. CÁCERES, C. HERNANDO, M. MORA, I. M. PELAYO and M. L. PUERTAS: Locating-dominating codes: Bounds and extremal cardinalities, *Applied Mathematics and Computation*, Vol. 220, pp. 38–45, 2013.
- [79] J. CÁCERES, C. HERNANDO, M. MORA, I. M. PELAYO, M. L. PUERTAS, C. SEARA and D. R. WOOD: On the metric dimension of Cartesian products of graphs, *SIAM Journal on Discrete Mathematics*, Vol. 21(2), pp. 423–441, 2007.
- [80] C. CAMARERO, C. MARTINEZ and R. BEIVIDE: Identifying codes of degree 4 Cayley graphs over Abelian groups, *Advances in Mathematics of Communications*, Vol. 9, pp. 129–148, 2015.
- [81] S. R. CANOY, Jr. and G. A. MALACAS: Determining the intruders location in a given network: Locating-dominating sets in a graph, *NCRP Research Journal*, Vol. 13(1), pp. 1–8, 2013.
- [82] S. R. CANOY, Jr. and G. A. MALACAS: Differentiating-dominating sets in graphs under binary operations, *Tamkang Journal of Mathematics*, Vol. 46, pp. 51–60, 2015.
- [83] S. R. CANOY, Jr. and G. P. SALASALAN: Locating-hop domination in graphs, *Kyungpook Mathematical Journal*, Vol. 62, pp. 193–204, 2022.
- [84] M. R. CAPPELLE, E. M. COELHO, L. R. FOULDS and H. J. LONGO: Open-independent, open-locating-dominating sets in complementary prism graphs, *Electronic Notes in Theoretical Computer Science*, Vol. 346, pp. 253–264, 2019.
- [85] M. R. CAPPELLE, E. M. M. COELHO, L. R. FOULDS and H. J. LONGO: Complexity results on open-independent, open-locating-dominating sets in complementary prism graphs, *Discrete Applied Mathematics*, Vol. 323, pp. 124–133, 2022.
- [86] M. R. CAPPELLE, E. M. M. COELHO, L. R. FOULDS and H. J. LONGO: Open-independent, open-locating-dominating sets: structural aspects of some classes of graphs, *Discrete Mathematics & Theoretical Computer Science*, Vol. 24(1), Paper No. 5, 18 pages, 2022.
- [87] D. I. CARSON: On generalized location-domination, In: *Graph Theory, Combinatorics, and Applications: Proceedings of the 7th Quadrennial International Conference on the Theory and Applications of Graphs*, Vol. 1, pp. 161–179, Wiley, 1995.

- [88] K. CHAKRABARTY, M. G. KARPOVSKY and L. B. LEVITIN: Fault detection and diagnosis in multiprocessor systems with point-to-point connections, In: *Fault Tolerant Parallel and Distributed Systems*, pp. 285–301, Kluwer, 1998.
- [89] T. P. CHANG and L. D. TONG: Choice identification of a graph, *Discrete Applied Mathematics*, Vol. 167, pp. 61–71, 2014.
- [90] E. CHARBIT, I. CHARON, G. COHEN and O. HUDRY: Discriminating codes in bipartite graphs, *Electronic Notes in Discrete Mathematics*, Vol. 26, pp. 29–35, 2006.
- [91] E. CHARBIT, I. CHARON, G. COHEN, O. HUDRY and A. LOBSTEIN: Discriminating codes in bipartite graphs: bounds, extremal cardinalities, complexity, *Advances in Mathematics of Communications*, Vol. 4(2), pp. 403–420, 2008.
- [92] I. CHARON, G. COHEN, O. HUDRY and A. LOBSTEIN: Links between discriminating and identifying codes in the binary Hamming space, *Lecture Notes in Computer Science*, No. 4851, pp. 267–270, Springer-Verlag, 2007.
- [93] I. CHARON, G. COHEN, O. HUDRY and A. LOBSTEIN: Discriminating codes in (bipartite) planar graphs, *European Journal of Combinatorics*, Vol. 29, pp. 1353–1364, 2008.
- [94] I. CHARON, G. COHEN, O. HUDRY and A. LOBSTEIN: New identifying codes in the binary Hamming space, *European Journal of Combinatorics*, Vol. 31, pp. 491–501, 2010.  
See also:  
[perso.telecom-paristech.fr/~hudry/newIdentifyingNcube.html](http://perso.telecom-paristech.fr/~hudry/newIdentifyingNcube.html)  
or  
<https://www.infres.telecom-paristech.fr/people/charon/newIdentifyingNcube.html>
- [95] I. CHARON, S. GRAVIER, O. HUDRY, A. LOBSTEIN, M. MOLLARD and J. MONCEL: A linear algorithm for minimum 1-identifying codes in oriented trees, *Discrete Applied Mathematics*, Vol. 154, pp. 1246–1253, 2006.
- [96] I. CHARON, I. HONKALA, O. HUDRY and A. LOBSTEIN: Identifying codes, Rapport interne Télécom Paris-2000D009, Paris, France, 67 pages, October 2000.
- [97] I. CHARON, I. HONKALA, O. HUDRY and A. LOBSTEIN: General bounds for identifying codes in some infinite regular graphs, *Electronic Journal of Combinatorics*, Vol. 8(1), R39, 2001.  
<http://www.combinatorics.org>

- [98] I. CHARON, I. HONKALA, O. HUDRY and A. LOBSTEIN: The minimum density of an identifying code in the king lattice, *Discrete Mathematics*, Vol. 276, pp. 95–109, 2004.
- [99] I. CHARON, I. HONKALA, O. HUDRY and A. LOBSTEIN: Structural properties of twin-free graphs, *Electronic Journal of Combinatorics*, Vol. 14(1), R16, 2007.  
<http://www.combinatorics.org>
- [100] I. CHARON, I. HONKALA, O. HUDRY and A. LOBSTEIN: Minimum sizes of identifying codes in graphs differing by one vertex, *Cryptography and Communications – Discrete Structures, Boolean Functions and Sequences*, Vol. 5, pp. 119–136, 2013.
- [101] I. CHARON, I. HONKALA, O. HUDRY and A. LOBSTEIN: Minimum sizes of identifying codes in graphs differing by one edge, *Cryptography and Communications – Discrete Structures, Boolean Functions and Sequences*, Vol. 6, pp. 157–170, 2014.
- [102] I. CHARON, O. HUDRY and A. LOBSTEIN: Complexity of identifying and locating problems in graphs, Rapport interne Télécom Paris-2001D013, Paris, France, 36 pages, October 2001.
- [103] I. CHARON, O. HUDRY and A. LOBSTEIN: Identifying codes with small radius in some infinite regular graphs, *Electronic Journal of Combinatorics*, Vol. 9(1), R11, 2002.  
<http://www.combinatorics.org>
- [104] I. CHARON, O. HUDRY and A. LOBSTEIN: Identifying and locating-dominating codes: NP-completeness results for directed graphs, *IEEE Transactions on Information Theory*, Vol. IT-48, pp. 2192–2200, 2002.
- [105] I. CHARON, O. HUDRY and A. LOBSTEIN: Minimizing the size of an identifying or locating-dominating code in a graph is NP-hard, *Theoretical Computer Science*, Vol. 290, pp. 2109–2120, 2003.
- [106] I. CHARON, O. HUDRY and A. LOBSTEIN: Extremal cardinalities for identifying and locating-dominating codes in graphs, Rapport interne Télécom Paris-2003D006, Paris, France, 18 pages, August 2003.
- [107] I. CHARON, O. HUDRY and A. LOBSTEIN: Possible cardinalities for identifying codes in graphs, *Australasian Journal of Combinatorics*, Vol. 32, pp. 177–195, 2005.
- [108] I. CHARON, O. HUDRY and A. LOBSTEIN: On the structure of identifiable graphs, *Electronic Notes in Discrete Mathematics*, Vol. 22, pp. 491–495, 2005.

- [109] I. CHARON, O. HUDRY and A. LOBSTEIN: Possible cardinalities for locating-dominating codes in graphs, *Australasian Journal of Combinatorics*, Vol. 34, pp. 23–32, 2006.
- [110] I. CHARON, O. HUDRY and A. LOBSTEIN: Extremal cardinalities for identifying and locating-dominating codes in graphs, *Discrete Mathematics*, Vol. 307, pp. 356–366, 2007.
- [111] I. CHARON, O. HUDRY and A. LOBSTEIN: Extremal values for the maximum degree in a twin-free graph, Rapport interne TELECOM ParisTech-2008D007, Paris, France, 17 pages, May 2008.
- [112] I. CHARON, O. HUDRY and A. LOBSTEIN: Extremal values for identification, domination and maximum cliques in twin-free graphs, *Ars Combinatoria*, Vol. 101, pp. 161–185, 2011.
- [113] I. CHARON, O. HUDRY and A. LOBSTEIN: Minimum sizes of identifying codes in graphs differing by one edge or one vertex, Rapport interne Telecom ParisTech-2011D008, Paris, France, 30 pages, 2011.
- [114] I. CHARON, O. HUDRY and A. LOBSTEIN: Extremal values for the maximum degree in a twin-free graph, *Ars Combinatoria*, Vol. 107, pp. 257–274, 2012.
- [115] I. CHARON, O. HUDRY and A. C. LOBSTEIN: Codes in the  $q$ -ary Lee hypercube, *WSEAS Transactions on Mathematics*, Vol. 21, pp. 173–186, 2022.
- [116] G. CHARTRAND, L. EROH, M. A. JOHNSON and O. R. OELLERMANN: Resolvability in graphs and the metric dimension of a graph, *Discrete Applied Mathematics*, Vol. 105, pp. 99–113, 2000.
- [117] G. CHARTRAND, D. ERWIN, M. A. HENNING, P. J. SLATER and P. ZHANG: The locating-chromatic number of a graph, *Bulletin of the Institute of Combinatorics and its Applications*, Vol. 36, pp. 89–101, 2002.
- [118] G. CHARTRAND, D. ERWIN, M. A. HENNING, P. J. SLATER and P. ZHANG: Graphs of order  $n$  with locating-chromatic number  $n - 1$ , *Discrete Mathematics*, Vol. 269, pp. 65–79, 2003.
- [119] G. CHARTRAND, D. ERWIN, P. J. SLATER and P. ZHANG: Distance-location numbers of graphs, *Utilitas Mathematica*, Vol. 63, pp. 65–79, 2003.
- [120] M. CHELLALI: On locating and differentiating-total domination in trees, *Discussiones Mathematicae Graph Theory*, Vol. 28, pp. 383–392, 2008.

- [121] M. CHELLALI, M. MIMOUNI and P. J. SLATER: On locating-dominance in graphs, *Discussiones Mathematicae Graph Theory*, Vol. 30, pp. 223–235, 2010.
- [122] M. CHELLALI and N. J. RAD: Locating-total domination critical graphs, *Australasian Journal of Combinatorics*, Vol. 45, pp. 227–234, 2009.
- [123] M. CHELLALI, N. J. RAD, S. J. SEO and P. J. SLATER: On open neighborhood locating-dominating in graphs, *Electronic Journal of Graph Theory and Applications*, Vol. 2(2), pp. 87–98, 2014.
- [124] C. CHEN, C. LU and Z. MIAO: Identifying codes and locating-dominating sets on paths and cycles, *Discrete Applied Mathematics*, Vol. 159, pp. 1540–1547, 2011.
- [125] X. CHEN and M. Y. SOHN: Bounds on the locating-total domination number of a tree, *Discrete Applied Mathematics*, Vol. 159, pp. 769–773, 2011.
- [126] G. COHEN, S. GRAVIER, I. HONKALA, A. LOBSTEIN, M. MOLLARD, Ch. PAYAN and G. ZÉMOR: Improved identifying codes for the grid, *Electronic Journal of Combinatorics*, Vol. 6(1), Comments to R19, 1999.  
<http://www.combinatorics.org>
- [127] G. COHEN, I. HONKALA, A. LOBSTEIN and G. ZÉMOR: New bounds for codes identifying vertices in graphs, *Electronic Journal of Combinatorics*, Vol. 6(1), R19, 1999.  
<http://www.combinatorics.org>
- [128] G. COHEN, I. HONKALA, A. LOBSTEIN and G. ZÉMOR: Bounds for codes identifying vertices in the hexagonal grid, *SIAM Journal on Discrete Mathematics*, Vol. 13, pp. 492–504, 2000.
- [129] G. COHEN, I. HONKALA, A. LOBSTEIN and G. ZÉMOR: On identifying codes, *Proceedings of DIMACS Workshop on Codes and Association Schemes '99*, Piscataway, USA, Vol. 56, pp. 97–109, 2001.
- [130] G. COHEN, I. HONKALA, A. LOBSTEIN and G. ZÉMOR: On codes identifying vertices in the two-dimensional square lattice with diagonals, *IEEE Transactions on Computers*, Vol. 50, pp. 174–176, 2001.
- [131] G. COHEN, A. LOBSTEIN and G. ZÉMOR: Identification d'une station défaillante dans un contexte radio-mobile, Aspects Algorithmiques des Télécommunications (AlgoTel '99), *Actes*, Roscoff, France, pp. 19–22, 1999.

- [132] N. COHEN and F. HAVET: On the minimum size of an identifying code over all orientations of a graph, *Electronic Journal of Combinatorics*, Vol. 25(1), P1.49, 2018.  
<http://www.combinatorics.org>
- [133] N. COHEN, N. A. MARTINS, F. MC INERNEY, N. NISSE, S. PÉRENNES and R. SAMPAIO: Spy-game on graphs: complexity and simple topologies, *Theoretical Computer Science*, Vol. 725, pp. 1–15, 2018.
- [134] C. J. COLBOURN, P. J. SLATER and L. K. STEWART: Locating dominating sets in series parallel networks, *Congressus Numerantium*, Vol. 56, pp. 135–162, 1987.
- [135] P. COUPECHOUX: Extension of universal cycles for globally identifying colorings of cycles, *Discrete Mathematics*, Vol. 340, pp. 1456–1466, 2017.
- [136] D. W. CRANSTON and G. YU: A new lower bound on the density of vertex identifying codes for the infinite hexagonal grid, *Electronic Journal of Combinatorics*, Vol. 16(1), R113, 2009.  
<http://www.combinatorics.org>
- [137] A. CUKIERMAN and G. YU: New bounds on the minimum density of an identifying code for the infinite hexagonal grid, *Discrete Applied Mathematics*, Vol. 161, pp. 2910–2924, 2013.
- [138] W. DALI and M. BLIDIA: Criticality indices of locating-domination of paths and cycles, *Utilitas Mathematica*, Vol. 94, pp. 199–219, 2014.
- [139] W. DALI and M. BLIDIA: On locating and locating-total domination edge addition critical graphs, *Utilitas Mathematica*, Vol. 94, pp. 303–313, 2014.
- [140] M. DANIEL: Codes identifiants, Mémoire pour le DEA ROCO, Université Joseph Fourier, Grenoble, France, June 2003.
- [141] M. DANIEL, S. GRAVIER and J. MONCEL: Identifying codes in some subgraphs of the square lattice, *Theoretical Computer Science*, Vol. 319, pp. 411–421, 2004.
- [142] R. DANTAS, F. HAVET and R. M. SAMPAIO: Identifying codes for infinite triangular grids with a finite number of rows, *Discrete Mathematics*, Vol. 340, pp. 1584–1597, 2017.
- [143] R. DANTAS, F. HAVET and R. M. SAMPAIO: Minimum density of identifying codes of king grids, *Discrete Mathematics*, Vol. 341, pp. 2708–2719, 2018.

- [144] R. DANTAS, R. M. SAMPAIO and F. HAVET: Minimum density of identifying codes of king grids, *Electronic Notes in Discrete Mathematics*, Vol. 62, pp. 51–56, 2017.
- [145] K. M. J. DE BONTRIDDER, B. V. HALLDÓRSSON, M. M. HALLDÓRSSON, C. A. J. HURKENS, J. K. LENSTRA, R. RAVI and L. STOUGIE: Approximation algorithms for the test cover problem, *Mathematical Programming*, Vol. 98, pp. 477–491, 2003.
- [146] O. DELMAS, S. GRAVIER, M. MONTASSIER and A. PARREAU: On two variations of identifying codes, *Discrete Mathematics*, Vol. 311, pp. 1948–1956, 2011.
- [147] M. DEMANGE, A. DI FONSO, G. DI STEFANO and P. VITTORINI: A graph theoretical approach to the firebreak locating problem, *Theoretical Computer Science*, Vol. 914, pp. 47–72, 2022.
- [148] S. DEY, F. FOUCAUD, S. C. NANDY and A. SEN: Discriminating codes in geometric setups, *Proceedings of 31st International Symposium on Algorithms and Computation (ISAAC 2020)*, Leibniz International Proceedings in Informatics, Vol. 181, 24:1–24:16, 2020.
- [149] R. DHANALAKSHMI and C. DURAIRAJAN: Constructions of  $r$ -identifying codes and  $(r, \leq \ell)$ -identifying codes, *Indian Journal of Pure and Applied Mathematics*, Vol. 50, pp. 531–547, 2019.
- [150] R. DHANALAKSHMI and C. DURAIRAJAN:  $r$ -identifying codes in binary Hamming space,  $q$ -ary Lee space and incomplete hypercube, *Discrete Mathematics, Algorithms and Applications*, Vol. 11(2), 1950027, 14 pages, 2019.
- [151] R. DHANALAKSHMI and C. DURAIRAJAN: Bounds on  $r$ -identifying codes in  $q$ -ary Lee space, *Contributions to Discrete Mathematics*, Vol. 16(1), pp. 53–71, 2021.
- [152] R. C. ENTRINGER and L. D. GASSMAN: Line-critical point determining and point distinguishing graphs, *Discrete Mathematics*, Vol. 10, pp. 43–55, 1974.
- [153] L. ESPERET, S. GRAVIER, M. MONTASSIER, P. OCHEM and A. PARREAU: Locally identifying coloring of graphs, *Electronic Journal of Combinatorics*, Vol. 19(2), P40, 2012.  
<http://www.combinatorics.org>
- [154] G. EXOO: Computational results on identifying  $t$ -codes, Preprint, 1999.

- [155] G. EXOO, V. JUNNILA and T. LAIHONEN: On location-domination of set of vertices in cycles and paths, *Congressus Numerantium*, Vol. 202, pp. 97–112, 2010.
- [156] G. EXOO, V. JUNNILA and T. LAIHONEN: Locating-dominating codes in paths, *Discrete Mathematics*, Vol. 311, pp. 1863–1873, 2011.
- [157] G. EXOO, V. JUNNILA and T. LAIHONEN: Locating-dominating codes in cycles, *Australasian Journal of Combinatorics*, Vol. 49, pp. 177–194, 2011.
- [158] G. EXOO, V. JUNNILA, T. LAIHONEN and S. RANTO: Locating vertices using codes, *Congressus Numerantium*, Vol. 191, pp. 143–159, 2008.
- [159] G. EXOO, V. JUNNILA, T. LAIHONEN and S. RANTO: Upper bounds for binary identifying codes, *Advances in Applied Mathematics*, Vol. 42, pp. 277–289, 2009.
- [160] G. EXOO, V. JUNNILA, T. LAIHONEN and S. RANTO: Improved bounds on identifying codes in binary Hamming spaces, *European Journal of Combinatorics*, Vol. 31, pp. 813–827, 2010.
- [161] G. EXOO, T. LAIHONEN and S. RANTO: Improved upper bounds on binary identifying codes, *IEEE Transactions on Information Theory*, Vol. IT-53, pp. 4255–4260, 2007.
- [162] G. EXOO, T. LAIHONEN and S. RANTO: New bounds on binary identifying codes, *Discrete Applied Mathematics*, Vol. 156, pp. 2250–2263, 2008.
- [163] T. FAHLE and K. TIEMANN: A faster branch-and-bound algorithm for the test-cover problem based on set-covering techniques, *ACM Journal of Experimental Algorithmics*, Vol. 11, 2006.
- [164] M. FAZIL, I. JAVAID, M. SALMAN and U. ALI: Locating-dominating sets in hypergraphs, *Periodica Mathematica Hungarica*, Vol. 72, pp. 224–234, 2016.
- [165] N. FAZLOLLAHI, D. STAROBINSKI and A. TRACHTENBERG: Connecting identifying codes and fundamental bounds, *Proceedings of Information Theory and Applications Workshop, ITA 2011*, La Jolla, USA, pp. 403–409, 2011.
- [166] N. FAZLOLLAHI, D. STAROBINSKI and A. TRACHTENBERG: Connected identifying codes for sensor network monitoring, *Proceedings of IEEE Wireless Communications and Networking Conference, WCNC 2011*, Cancun, Mexico, pp. 1026–1031, March 2011.



- [167] N. FAZLOLLAHI, D. STAROBINSKI and A. TRACHTENBERG: Connected identifying codes, *IEEE Transactions on Information Theory*, Vol. IT-58, pp. 4814–4824, 2012.
- [168] M. FENG, X. MA and L. FENG: Optimal identifying codes of two families of Cayley graphs, *Discrete Applied Mathematics*, Vol. 320, pp. 199–210, 2022.
- [169] M. FENG and K. WANG: Identifying codes of corona product graphs, *Discrete Applied Mathematics*, Vol. 169, pp. 88–96, 2014.
- [170] M. FENG, M. XU and K. WANG: Identifying codes of lexicographic product of graphs, *Electronic Journal of Combinatorics*, Vol. 19(4), P56, 2012. <http://www.combinatorics.org>
- [171] A. S. FINBOW and B. L. HARTNELL: On locating dominating sets and well-covered graphs, *Congressus Numerantium*, Vol. 65, pp. 191–200, 1988.
- [172] A. S. FINBOW and B. L. HARTNELL: Well-located graphs: a collection of well-covered ones, *Electronic Notes in Discrete Mathematics*, Vol. 5, 2000.
- [173] A. S. FINBOW and B. L. HARTNELL: Well-located graphs: a collection of well-covered ones, *Discrete Mathematics*, Vol. 276, pp. 201–209, 2004.
- [174] A. S. FINBOW, B. L. HARTNELL and J. R. YOUNG: The complexity of monitoring a network with both watchers and listeners, *Journal of Combinatorial Mathematics and Combinatorial Computing*, Vol. 116, pp. 233–244, 2021.
- [175] F. FOUCAUD: Identifying codes in special graph classes, Mémoire de Master, Université de Bordeaux 1, France, June 2009. <http://www.labri.fr/perso/foucaud/Research/MasterThesis>
- [176] F. FOUCAUD: Aspects combinatoires et algorithmiques des codes identifiants dans les graphes, Thèse de Doctorat, Université de Bordeaux 1, France, 194 pages, December 2012 (in English).
- [177] F. FOUCAUD: The complexity of the identifying code problem in restricted graph classes, *Lecture Notes in Computer Science*, No. 8288, pp. 150–163, Springer-Verlag, 2013.
- [178] F. FOUCAUD: Decision and approximation complexity for identifying codes and locating-dominating sets in restricted graph classes, *Journal of Discrete Algorithms*, Vol. 31, pp. 48–68, 2015.

- [179] F. FOUCAUD, N. GHAREGHANI, A. ROSHANY-TABRIZI and P. SHARIANI: Characterizing extremal graphs for open neighbourhood location-domination, *Discrete Applied Mathematics*, Vol. 302, pp. 76–79, 2021.
- [180] F. FOUCAUD, S. GRAVIER, R. NASERASR, A. PARREAU and P. VALICOV: Edge identifying codes, *Electronic Notes in Discrete Mathematics*, Vol. 38, pp. 343–348, 2011.
- [181] F. FOUCAUD, S. GRAVIER, R. NASERASR, A. PARREAU and P. VALICOV: Identifying codes in line graphs, *Journal of Graph Theory*, Vol. 73, pp. 425–448, 2013.
- [182] F. FOUCAUD, E. GUERRINI, M. KOVŠE, R. NASERASR, A. PARREAU and P. VALICOV: On identifying codes and Bondy’s theorem on “induced subsets”, *Abstracts of the 8th French Combinatorial Conference*, Orsay, France, No. 125, 2010.
- [183] F. FOUCAUD, E. GUERRINI, M. KOVŠE, R. NASERASR, A. PARREAU and P. VALICOV: Classifying graphs with minimum identifying code of size  $n - 1$ , *Abstracts of the 8th French Combinatorial Conference*, Orsay, France, No. 151, 2010.
- [184] F. FOUCAUD, E. GUERRINI, M. KOVŠE, R. NASERASR, A. PARREAU and P. VALICOV: Extremal graphs for the identifying code problem, *European Journal of Combinatorics*, Vol. 32, pp. 628–638, 2011.
- [185] F. FOUCAUD and M. A. HENNING: Location-domination and matching in cubic graphs, *Discrete Mathematics*, Vol. 339, pp. 1221–1231, 2016.
- [186] F. FOUCAUD and M. A. HENNING: Locating-total dominating sets in twin-free graphs: a conjecture, *Electronic Journal of Combinatorics*, Vol. 23(3), P3.9, 2016.  
<http://www.combinatorics.org>
- [187] F. FOUCAUD and M. A. HENNING: Location-domination in line graphs, *Discrete Mathematics*, Vol. 340, pp. 3140–3153, 2017.
- [188] F. FOUCAUD, M. A. HENNING, C. LÖWENSTEIN and T. SASSE: Locating-dominating sets in twin-free graphs, *Discrete Applied Mathematics*, Vol. 200, pp. 52–58, 2016.
- [189] F. FOUCAUD, S. HEYDARSHAHİ and A. PARREAU: Domination and location in twin-free digraphs, *Discrete Applied Mathematics*, Vol. 284, pp. 42–52, 2020.

- [190] F. FOUCAUD, I. HONKALA, T. LAIHONEN, A. PARREAU and G. PERARNAU: Locally identifying colourings for graphs with given maximum degree, *Discrete Mathematics*, Vol. 312, pp. 1832–1837, 2012.
- [191] F. FOUCAUD and R. KLASING: Parameterized and approximation complexity of the detection pair problem in graphs, *Journal of Graph Algorithms and Applications*, Vol. 21(6), pp. 1039–1056, 2017.
- [192] F. FOUCAUD, R. KLASING, A. KOSOWSKI and A. RASPAUD: On the size of identifying codes in triangle-free graphs, *Discrete Applied Mathematics*, Vol. 160, pp. 1532–1546, 2012.
- [193] F. FOUCAUD and M. KOVŠE: On the identification of vertices in graphs using paths, *Abstracts of the 8th French Combinatorial Conference*, Orsay, France, No. 175, 2010.
- [194] F. FOUCAUD and M. KOVŠE: On graph identification problems and the special case of identifying vertices using paths, *Lecture Notes in Computer Science*, No. 7643, pp. 32–45, 2012.
- [195] F. FOUCAUD and M. KOVŠE: Identifying path covers in graphs, *Journal of Discrete Algorithms*, Vol. 23, pp. 21–34, 2013.
- [196] F. FOUCAUD, T. LAIHONEN and A. PARREAU: An improved lower bound for  $(1, \leq 2)$ -identifying codes in the king grid, *Advances in Mathematics of Communications*, Vol. 8, pp. 35–52, 2014.
- [197] F. FOUCAUD and T. LEHTILÄ: Revisiting and improving upper bounds for identifying codes, *SIAM Journal on Discrete Mathematics*, Vol. 36, pp. 2619–2634, 2022.
- [198] F. FOUCAUD, G. B. MERTZIOS, R. NASERASR, A. PARREAU and P. VALICOV: Algorithms and complexity for metric dimension and location-domination on interval and permutation graphs, *Lecture Notes in Computer Science*, No. 9224, pp. 456–471, Springer-Verlag, 2016.
- [199] F. FOUCAUD, G. B. MERTZIOS, R. NASERASR, A. PARREAU and P. VALICOV: Identification, location-domination and metric dimension on interval and permutation graphs: I. Bounds, *Theoretical Computer Science*, Vol. 668, pp. 43–58, 2017.
- [200] F. FOUCAUD, G. B. MERTZIOS, R. NASERASR, A. PARREAU and P. VALICOV: Identification, location-domination and metric dimension on interval and permutation graphs: II. Algorithms and complexity, *Algorithmica*, Vol. 78, pp. 914–944, 2017.

- [201] F. FOUCAUD, R. NASERASR, and A. PARREAU: Characterizing extremal digraphs for identifying codes and extremal cases of Bondy’s theorem on induced subsets, *Graphs and Combinatorics*, Vol. 29, pp. 463–473, 2013.
- [202] F. FOUCAUD and G. PERARNAU: Bounds for identifying codes in terms of degree parameters, *Electronic Journal of Combinatorics*, Vol. 19(1), P32, 2012.  
<http://www.combinatorics.org>
- [203] F. FOUCAUD, G. PERARNAU and O. SERRA: Random subgraphs make identification affordable, *Journal of Combinatorics*, Vol. 8, pp. 57–77, 2017.
- [204] M. FRICK, G. H. FRICKE, C. M. MYNHARDT and R. D. SKAGGS: Critical graphs with respect to vertex identification, *Utilitas Mathematica*, Vol. 76, pp. 213–227, 2008.
- [205] A. FRIEZE, R. MARTIN, J. MONCEL, M. RUSZINKÓ and C. SMYTH: Codes identifying sets of vertices in random networks, *Discrete Mathematics*, Vol. 307, pp. 1094–1107, 2007.
- [206] D. GARIJO, A. GONZÁLEZ and A. MÁRQUEZ: The difference between the metric dimension and the determining number of a graph, *Applied Mathematics and Computation*, Vol. 249, pp. 487–501, 2014.
- [207] D. K. GARNICK, Y. H. H. KWONG and F. LAZEBNIK: Extremal graphs without three-cycles or four-cycles, *Journal of Graph Theory*, Vol. 17, pp. 633–645, 1993.
- [208] D. K. GARNICK, Y. H. H. KWONG and F. LAZEBNIK: Algorithmic search for extremal graphs of girth at least five, In: *Graph Theory, Combinatorics, and Applications: Proceedings of the 7th Quadrennial International Conference on the Theory and Applications of Graphs*, Vol. 2, pp. 697–709, Wiley, 1995.
- [209] D. K. GARNICK and N. A. NIEUWEJAAR: Nonisomorphic extremal graphs without three-cycles or four-cycles, *Journal of Combinatorial Mathematics and Combinatorial Computing*, Vol. 12, pp. 33–56, 1992.
- [210] M. GHEBLEH and L. NIEPEL: Locating and identifying codes in circulant networks, *Discrete Applied Mathematics*, Vol. 161, pp. 2001–2007, 2013.
- [211] M. GHORBANI, M. DEHMER, H. MAIMANI, S. MADDAH, M. ROOZBAYANI and F. EMMERT-STREIB: The watching system as a generalization of identifying code, *Applied Mathematics and Computation*, Vol. 380, 125302, 7 pages, 2020.

- [212] M. GHORBANI and S. MADDAD: On the watching number of graphs using discharging procedure, *Journal of Applied Mathematics and Computing*, Vol. 67, pp. 507–518, 2021.
- [213] J. GIMBEL, B. D. VAN GORDEN, M. NICOLESCU, C. UMSTEAD and N. VAIANA: Location with dominating sets, *Congressus Numerantium*, Vol. 151, pp. 129–144, 2001.
- [214] R. M. GIVENS: Mixed-weight open locating dominating sets, Ph. D. Thesis, The College of William and Mary, Virginia, USA, 2018.
- [215] R. M. GIVENS, R. K. KINCAID, W. MAO and G. YU: Mixed-weight open locating-dominating sets, *Proceedings of 51st Annual Conference on Information Sciences and Systems (CISS)*, pp. 1–6, 2017.
- [216] R. M. GIVENS, G. YU and R. K. KINCAID: Open-locating domination sets in circulant graphs, *Discussiones Mathematicae Graph Theory*, Vol. 42(1), pp. 47–62, 2022.
- [217] V. GLEDEL and A. PARREAU: Identification of points using disks, *Discrete Mathematics*, Vol. 342, pp. 256–269, 2019.
- [218] W. GODDARD and K. WASH: ID codes in Cartesian products of cliques, *Journal of Combinatorial Mathematics and Combinatorial Computing*, Vol. 85, pp. 97–106, 2013.
- [219] D. GONÇALVES, A. PARREAU and A. PINLOU: Locally identifying coloring in bounded expansion classes of graphs, *Discrete Applied Mathematics*, Vol. 161, pp. 2946–2951, 2013.
- [220] A. GONZÁLEZ, C. HERNANDO and M. MORA: Metric-locating-dominating sets of graphs for constructing related subsets of vertices, *Applied Mathematics and Computation*, Vol. 332, pp. 449–456, 2018.
- [221] R. GRAPPE, N. BRAUNER and J. MONCEL: Un problème de surveillance : modélisation et simulation avec la théorie des jeux, *Abstracts of 9ème Congrès de la Société Française de Recherche Opérationnelle et d’Aide à la Décision, ROADEF 08*, Clermont-Ferrand, France, pp. 221–222, February 2008.
- [222] S. GRAVIER, S. JANSON, T. LAIHONEN and S. RANTO: Graphs where every  $k$ -subset of vertices is an identifying set, *Discrete Mathematics & Theoretical Computer Science*, Vol. 16, pp. 73–88, 2014.
- [223] S. GRAVIER, R. KLASING and J. MONCEL: Hardness results and approximation algorithms for identifying codes and locating-dominating codes in graphs, *Algorithmic Operations Research*, Vol. 3, pp. 43–50, 2008.

- [224] S. GRAVIER, M. KOVŠE, M. MOLLARD, J. MONCEL and A. PARREAU: New results on variants of covering codes in Sierpiński graphs, *Designs, Codes and Cryptography*, Vol. 69, pp. 181–188, 2013.
- [225] S. GRAVIER and J. MONCEL: Construction of codes identifying sets of vertices, *Electronic Journal of Combinatorics*, Vol. 12(1), R13, 2005.  
<http://www.combinatorics.org>
- [226] S. GRAVIER and J. MONCEL: On graphs having a  $V \setminus \{x\}$  set as an identifying code, *Discrete Mathematics*, Vol. 307, pp. 432–434, 2007.
- [227] S. GRAVIER, J. MONCEL and A. SEMRI: Identifying codes of cycles, *European Journal of Combinatorics*, Vol. 27, pp. 767–776, 2006.
- [228] S. GRAVIER, J. MONCEL and A. SEMRI: Identifying codes of Cartesian product of two cliques of the same size, *Electronic Journal of Combinatorics*, Vol. 15(1), N4, 2008.  
<http://www.combinatorics.org>
- [229] S. GRAVIER, A. PARREAU, S. ROTTAY, L. STORME and E. VANDOMME: Identifying codes in vertex-transitive graphs and strongly regular graphs, *Electronic Journal of Combinatorics*, Vol. 22(4), P4.6, 2015.  
<http://www.combinatorics.org>
- [230] Y. HAFIDH and E. T. BASKORO: On the locating chromatic number of trees, *International Journal of Mathematics and Computer Science*, Vol. 17, pp. 377–394, 2022.
- [231] A. HAKANEN, V. JUNNILA and T. LAIHONEN: The solid-metric dimension, *Theoretical Computer Science*, Vol. 806, pp. 156–170, 2020.
- [232] A. HAKANEN, V. JUNNILA, T. LAIHONEN and I. G. YERO: On vertices contained in all or in no metric basis, *Discrete Applied Mathematics*, Vol. 319, pp. 407–423, 2022.
- [233] A. HAKANEN and T. LAIHONEN: On  $\{\ell\}$ -metric dimensions in graphs, *Fundamenta Informaticae*, Vol. 162, pp. 143–160, 2018.
- [234] B. V. HALLDÓRSSON, M. M. HALLDÓRSSON and R. RAVI: On the approximability of the minimum collection problem, *Lecture Notes in Computer Science*, No. 2161, pp. 158–169, Springer-Verlag, 2001.
- [235] F. HARARY and R. A. MELTER: On the metric dimension of a graph, *Ars Combinatoria*, Vol. 2, pp. 191–195, 1976.
- [236] F. HARARY and R. A. MELTER: Addendum to “On the metric dimension of a graph” (*Ars Combinatoria* 2 (1976) 191–195), *Ars Combinatoria*, Vol. 4, p. 318, 1977.

- [237] H. HATAMI:  $\Delta + 300$  is a bound on the adjacent vertex distinguishing edge chromatic number, *Journal of Combinatorial Theory*, Ser. B, Vol. 95, pp. 246–256, 2005.
- [238] F. HAVET: Minimum-density identifying codes in grids, Unpublished manuscript, 2010.
- [239] F. HAVET, N. PARAMAGURU and R. SAMPATHKUMAR: Detection number of bipartite graphs and cubic graphs, *Discrete Mathematics and Theoretical Computer Science*, Vol. 16, pp. 333–342, 2014.
- [240] T. W. HAYNES, S. T. HEDETNIEMI and P. J. SLATER: *Fundamentals of Domination in Graphs*, New York: Marcel Dekker, 1998.
- [241] T. W. HAYNES, M. A. HENNING and J. HOWARD: Locating and total dominating sets in trees, *Discrete Applied Mathematics*, Vol. 154, pp. 1293–1300, 2006.
- [242] T. W. HAYNES, K. R. S. HOLMES, D. R. KOESSLER and L. SEWELL: Locating-domination in complementary prisms of paths and cycles, *Congressus Numerantium*, Vol. 199, pp. 45–55, 2009.
- [243] J. HEDETNIEMI: On identifying codes in the Cartesian product of a path and a complete graph, *Journal of Combinatorial Optimization*, Vol. 31, pp. 1405–1416, 2016.
- [244] M. A. HENNING and C. LÖWENSTEIN: Locating-total domination in claw-free cubic graphs, *Discrete Mathematics*, Vol. 312, pp. 3107–3116, 2012.
- [245] M. A. HENNING and O. R. OELLERMANN: Metric-locating-dominating sets in graphs, *Ars Combinatoria*, Vol. 73, pp. 129–141, 2004.
- [246] M. A. HENNING and N. J. RAD: Locating-total domination in graphs, *Discrete Applied Mathematics*, Vol. 160, pp. 1986–1993, 2012.
- [247] M. A. HENNING and A. YEO: Identifying vertex covers in graphs, *Electronic Journal of Combinatorics*, Vol. 19(4), P32, 2012.  
<http://www.combinatorics.org>
- [248] M. A. HENNING and A. YEO: Distinguishing-transversal in hypergraphs and identifying open codes in cubic graphs, *Graphs and Combinatorics*, Vol. 30, pp. 909–932, 2014.
- [249] C. HERNANDO, M. MORA and I. M. PELAYO: Nordhaus-Gaddum bounds for locating domination, *European Journal of Combinatorics*, Vol. 36, pp. 1–6, 2014.

- [250] C. HERNANDO, M. MORA and I. M. PELAYO: On global location-domination in graphs, *Ars Mathematica Contemporanea*, Vol. 8, pp. 365–379, 2015.
- [251] C. HERNANDO, M. MORA and I. M. PELAYO: Locating domination in bipartite graphs and their complements, *Discrete Applied Mathematics*, Vol. 263, pp. 195–203, 2019.
- [252] C. HERNANDO, M. MORA, I. M. PELAYO, C. SEARA and D. R. WOOD: Extremal graph theory for metric dimension and diameter, *Electronic Journal of Combinatorics*, Vol. 17(1), R30, 2010.  
<http://www.combinatorics.org>
- [253] S. HEYDARSHAHI: Location-domination in twin-free graphs and digraphs, Master’s Thesis, Université Paris Sorbonne, 2018.
- [254] A. HISSOUM and A. SEMRI: Identifying codes of Cartesian product of two cliques, *Proceedings of 2013 International Conf. on Applied Mathematics and Computational Methods*, pp. 104–108, 2013.
- [255] H. HOCQUARD and M. MONTASSIER: Adjacent vertex-distinguishing edge coloring of graphs with maximum degree  $\Delta$ , *Journal of Combinatorial Optimization*, Vol. 26, pp. 152–160, 2013.
- [256] K. R. S. HOLMES: Locating-domination in complementary prisms, Master’s Thesis, East Tennessee State University, USA, 37 pages, 2009.
- [257] K. R. S. HOLMES, D. R. KOESSLER and T. W. HAYNES: Locating-domination in complementary prisms, *Journal of Combinatorial Mathematics and Combinatorial Computing*, Vol. 72, pp. 163–171, 2010.
- [258] I. HONKALA: On the identifying radius of codes, *Proceedings of the 7th Nordic Combinatorial Conference*, Turku, Finland, pp. 39–43, 1999.
- [259] I. HONKALA: Triple systems identifying quadruples, *Australasian Journal of Combinatorics*, Vol. 25, pp. 303–316, 2002.
- [260] I. HONKALA: An optimal edge-robust identifying code in the triangular lattice, *Annals of Combinatorics*, Vol. 8, pp. 303–323, 2004.
- [261] I. HONKALA: A family of optimal identifying codes in  $Z^2$ , *Journal of Combinatorial Theory*, Ser. A, Vol. 113, pp. 1760–1763, 2006.
- [262] I. HONKALA: An optimal locating-dominating set in the infinite triangular grid, *Discrete Mathematics*, Vol. 306, pp. 2670–2681, 2006.
- [263] I. HONKALA: On 2-edge-robust  $r$ -identifying codes in the king grid, *Australasian Journal of Combinatorics*, Vol. 36, pp. 151–165, 2006.



- [264] I. HONKALA: On  $r$ -locating-dominating sets in paths, *European Journal of Combinatorics*, Vol. 30, pp. 1022–1025, 2009.
- [265] I. HONKALA: An optimal strongly identifying code in the infinite triangular grid, *Electronic Journal of Combinatorics*, Vol. 17(1), R91, 2010. <http://www.combinatorics.org>
- [266] I. HONKALA, O. HUDRY and A. LOBSTEIN: On the number of optimal identifying codes in a twin-free graph, *Discrete Applied Mathematics*, Vol. 180, pp. 111–119, 2015.
- [267] I. HONKALA, O. HUDRY and A. LOBSTEIN: On the ensemble of optimal dominating and locating-dominating codes in a graph, *Information Processing Letters*, Vol. 115, pp. 699–702, 2015.
- [268] I. HONKALA, O. HUDRY and A. LOBSTEIN: On the ensemble of optimal identifying codes in a twin-free graph, *Cryptography and Communications – Discrete Structures, Boolean Functions and Sequences*, Vol. 8, pp. 139–153, 2016.
- [269] I. HONKALA, M. G. KARPOVSKY and L. B. LEVITIN: On robust and dynamic identifying codes, *IEEE Transactions on Information Theory*, Vol. IT-52, pp. 599–612, 2006.
- [270] I. HONKALA, M. G. KARPOVSKY and S. LITSYN: On the identification of vertices and edges using cycles, *Lecture Notes in Computer Science*, No. 2227, pp. 308–314, Springer-Verlag, 2001.
- [271] I. HONKALA, M. G. KARPOVSKY and S. LITSYN: Cycles identifying vertices and edges in binary hypercubes and 2-dimensional tori, *Discrete Applied Mathematics*, Vol. 129, pp. 409–419, 2003.
- [272] I. HONKALA and T. LAIHONEN: On the identification of sets of points in the square lattice, *Discrete & Computational Geometry*, Vol. 29, pp. 139–152, 2003.
- [273] I. HONKALA and T. LAIHONEN: On identification of sets of vertices in the triangular grid, *Proceedings of Workshop on Coding and Cryptography 2003*, Versailles, France, pp. 265–271, 2003.
- [274] I. HONKALA and T. LAIHONEN: Codes for identification in the king lattice, *Graphs and Combinatorics*, Vol. 19, pp. 505–516, 2003.
- [275] I. HONKALA and T. LAIHONEN: On identifying codes in the hexagonal mesh, *Information Processing Letters*, Vol. 89, pp. 9–14, 2004.
- [276] I. HONKALA and T. LAIHONEN: On identifying codes in the triangular and square grids, *SIAM Journal on Computing*, Vol. 33, pp. 304–312, 2004.

- [277] I. HONKALA and T. LAIHONEN: On identification in the triangular grid, *Journal of Combinatorial Theory*, Ser. B, Vol. 91, pp. 67–86, 2004.
- [278] I. HONKALA and T. LAIHONEN: On locating-dominating sets in infinite grids, *European Journal of Combinatorics*, Vol. 27, pp. 218–227, 2006.
- [279] I. HONKALA and T. LAIHONEN: On a new class of identifying codes in graphs, *Information Processing Letters*, Vol. 102, pp. 92–98, 2007.
- [280] I. HONKALA and T. LAIHONEN: On identifying codes that are robust against edge changes, *Information and Computation*, Vol. 205, pp. 1078–1095, 2007.
- [281] I. HONKALA and T. LAIHONEN: On identifying codes in the king grid that are robust against edge deletions, *Electronic Journal of Combinatorics*, Vol. 15(1), R3, 2008.  
<http://www.combinatorics.org>
- [282] I. HONKALA and T. LAIHONEN: On vertex-robust identifying codes of level three, *Ars Combinatoria*, Vol. 94, pp. 115–127, 2010.
- [283] I. HONKALA, T. LAIHONEN and S. RANTO: On codes identifying sets of vertices in Hamming spaces, *Designs, Codes and Cryptography*, Vol. 24, pp. 193–204, 2001.
- [284] I. HONKALA, T. LAIHONEN and S. RANTO: Codes for strong identification, *Proceedings of Workshop on Coding and Cryptography 2001*, Paris, France, pp. 279–287, 2001.
- [285] I. HONKALA, T. LAIHONEN and S. RANTO: On strongly identifying codes, *Discrete Mathematics*, Vol. 254, pp. 191–205, 2002.
- [286] I. HONKALA, T. LAIHONEN and S. RANTO: On locating-dominating codes in binary Hamming spaces, *Discrete Mathematics and Theoretical Computer Science*, Vol. 6, pp. 265–282, 2004.
- [287] I. HONKALA and A. LOBSTEIN: On the density of identifying codes in the square lattice, *Journal of Combinatorial Theory*, Ser. B, Vol. 85, pp. 297–306, 2002.
- [288] I. HONKALA and A. LOBSTEIN: On identifying codes in binary Hamming spaces, *Journal of Combinatorial Theory*, Ser. A, Vol. 99, pp. 232–243, 2002.
- [289] I. HONKALA and A. LOBSTEIN: On the complexity of the identification problem in Hamming spaces, *Acta Informatica*, Vol. 38, pp. 839–845, 2002.

- [290] I. HONKALA and A. LOBSTEIN: Identifying vertices in the  $n$ -cube, *Proceedings of the 8th International Workshop on Algebraic and Combinatorial Coding Theory*, Tsarskoe Selo, Russia, pp. 198–201, 2002.
- [291] I. HONKALA and A. LOBSTEIN: On identification in  $Z^2$  using translates of given patterns, *Journal of Universal Computer Science*, Vol. 9(10), pp. 1204–1219, October 2003.  
<http://www.jucs.org>
- [292] V. HORAN, S. ADACHI and S. BAK: A comparison of approaches for finding minimum identifying codes on graphs, *Quantum Information Processing*, Vol. 15, pp. 1827–1848, 2016.
- [293] J. M. HOWARD: Locating and total dominating sets in trees, Master’s Thesis, East Tennessee State University, USA, 48 pages, 2004.
- [294] O. HUDRY and A. LOBSTEIN: More results on the complexity of identifying problems in graphs, *Theoretical Computer Science*, Vol. 626, pp. 1–12, 2016.
- [295] O. HUDRY and A. LOBSTEIN: Some results about a conjecture on identifying codes in complete suns, *International Transactions in Operational Research*, Vol. 26, pp. 732–746, 2019.
- [296] O. HUDRY and A. LOBSTEIN: Unique (optimal) solutions: Complexity results for identifying and locating-dominating codes, *Theoretical Computer Science*, Vol. 767, pp. 83–102, 2019.
- [297] O. HUDRY and A. LOBSTEIN: The compared costs of domination, location-domination and identification, *Discussiones Mathematicae Graph Theory*, Vol. 40(1), pp. 127–147, 2020.  
[www.discuss.wmie.uz.zgora.pl/gt/index.php?doi=10.7151/dmgt.2129](http://www.discuss.wmie.uz.zgora.pl/gt/index.php?doi=10.7151/dmgt.2129)
- [298] O. HUDRY and A. LOBSTEIN: Some rainbow problems in graphs have complexity equivalent to satisfiability problems, *International Transactions in Operational Research*, Vol. 29(3), pp. 1547–1572, 2022.
- [299] N. INAYAH, W. ARIBOWO and M. M. WINDRA YAHYA: The locating chromatic number of book graph, *Journal of Mathematics*, Paper ID 3716361, 3 pages, 2021.
- [300] H. ISWADI, E. T. BASKORO and R. SIMANJUNTAK: On the metric dimension of corona product of graphs, *Far East Journal of Mathematical Sciences*, Vol. 52(2), pp. 155–170, 2011.
- [301] S. JANSON and T. LAIHONEN: An optimal result for codes identifying sets of words, *Proceedings of the 2009 IEEE International Symposium on Information Theory*, pp. 2547–2551, 2009.

- [302] S. JANSON and T. LAIHONEN: On the size of identifying codes in binary hypercubes, *Journal of Combinatorial Theory*, Ser. A, Vol. 116, pp. 1087–1096, 2009.
- [303] R. JAYAGOPAL, I. RAJASINGH and R. S. RAJAN: Domination parameters in hypertrees, *Lecture Notes in Computer Science*, No. 9602, pp. 299–307, Springer-Verlag, 2016.
- [304] D. C. JEAN and S. J. SEO: Extremal cubic graphs for fault-tolerant locating domination, *Theoretical Computer Science*, Vol. 917, pp. 94–106, 2022.
- [305] D. C. JEAN and S. J. SEO: Optimal error-detecting open-locating-dominating set on the infinite triangular grid, *Discussiones Mathematicae Graph Theory*, Vol. 43(2), pp. 445–455, 2023.
- [306] D. C. JEAN and S. J. SEO: Fault-tolerant identifying codes in special classes of graphs, *Discussiones Mathematicae Graph Theory*, to appear.
- [307] D. C. JEAN and S. J. SEO: Progress on fault-tolerant locating-dominating sets, *Discrete Mathematics, Algorithms and Applications*, to appear.
- [308] M. JIANG: Periodicity of identifying codes in strips, *Information Processing Letters*, Vol. 135, pp. 77–84, 2018.
- [309] V. JUNNILA: On identifying and locating-dominating codes, Ph. D. Thesis, University of Turku, Finland, 125 pages, 2011.
- [310] V. JUNNILA: Adaptive identification of sets of vertices in graphs, *Discrete Mathematics and Theoretical Computer Science*, Vol. 14, pp. 69–86, 2012.
- [311] V. JUNNILA: New lower bound for 2-identifying code in the square grid, *Discrete Applied Mathematics*, Vol. 161, pp. 2042–2051, 2013.
- [312] V. JUNNILA: Optimal locating-total dominating sets in strips of height 3, *Discussiones Mathematicae Graph Theory*, Vol. 35, pp. 447–462, 2015.
- [313] V. JUNNILA and T. LAIHONEN: Identification in  $Z^2$  using Euclidean balls, *Discrete Applied Mathematics*, Vol. 159, pp. 335–343, 2011.
- [314] V. JUNNILA and T. LAIHONEN: Optimal identifying codes in cycles and paths, *Graphs and Combinatorics*, Vol. 28, pp. 469–481, 2012.
- [315] V. JUNNILA and T. LAIHONEN: Optimal lower bound for 2-identifying codes in the hexagonal grid, *Electronic Journal of Combinatorics*, Vol. 19(2), P38, 2012.  
<http://www.combinatorics.org>

- [316] V. JUNNILA and T. LAIHONEN: Optimal identification of sets of edges using 2-factors, *Discrete Mathematics*, Vol. 313, pp. 1636–1647, 2013.
- [317] V. JUNNILA and T. LAIHONEN: Codes for information retrieval with small uncertainty, *IEEE Transactions on Information Theory*, Vol. IT-60, pp. 976–985, 2014.
- [318] V. JUNNILA and T. LAIHONEN: Information retrieval with unambiguous output, *Information and Computation*, Vol. 242, pp. 354–368, 2015.
- [319] V. JUNNILA and T. LAIHONEN: Information retrieval with varying number of input clues, *IEEE Transactions on Information Theory*, Vol. IT-62, pp. 625–638, 2016.
- [320] V. JUNNILA and T. LAIHONEN: Minimum number of input clues in robust information retrieval, *Fundamenta Informaticae*, Vol. 145(3), pp. 243–256, 2016.
- [321] V. JUNNILA and T. LAIHONEN: Collection of codes for tolerant location, *Proceedings of the Bordeaux Graph Workshop*, Bordeaux, France, pp. 176–179, 2016.
- [322] V. JUNNILA and T. LAIHONEN: Tolerant location detection in sensor networks, *Advances in Applied Mathematics*, Vol. 112, 101938, 2020.
- [323] V. JUNNILA, T. LAIHONEN and T. LEHTILÄ: On regular and new types of codes for location-domination, *Discrete Applied Mathematics*, Vol. 247, pp. 225–241, 2018.
- [324] V. JUNNILA, T. LAIHONEN and T. LEHTILÄ: On a conjecture regarding identification in Hamming graphs, *Electronic Journal of Combinatorics*, Vol. 26(2), P45, 2019.  
<http://www.combinatorics.org>
- [325] V. JUNNILA, T. LAIHONEN and T. LEHTILÄ: New results on codes for location in graphs, *Proceedings of Russian Finnish Symposium on Discrete Mathematics*, pp. 105–116, 2019.
- [326] V. JUNNILA, T. LAIHONEN and T. LEHTILÄ: On Levenshtein’s channel and list size in information retrieval, *IEEE Transactions on Information Theory*, Vol. 67(6), pp. 3322–3341, 2021.
- [327] V. JUNNILA, T. LAIHONEN and T. LEHTILÄ: Improved lower bound for locating-dominating codes in binary Hamming spaces, *Designs, Codes and Cryptography*, vol. 90, pp. 67–85, 2022.
- [328] V. JUNNILA, T. LAIHONEN, T. LEHTILÄ and M. L. PUERTAS: On stronger types of locating-dominating codes, *Discrete Mathematics and Theoretical Computer Science*, Vol. 21(1), Paper No. 1, 21 pages, 2019.

- [329] V. JUNNILA, T. LAIHONEN and G. PARIS: Location in circulant graphs, *Proceedings of the Fourth Russian-Finnish Symposium on Discrete Mathematics*, Turku, Finland, pp. 81–84, 2017.
- [330] V. JUNNILA, T. LAIHONEN and G. PARIS: Optimal bounds on codes for location in circulant graphs, *Cryptography and Communications*, Vol. 11(4), pp. 621–640, 2019.
- [331] V. JUNNILA, T. LAIHONEN and G. PARIS: Solving two conjectures regarding codes for location in circulant graphs, *Discrete Mathematics and Theoretical Computer Science*, Vol. 21(3), Paper No. 2, 20 pages, 2019.
- [332] V. JUNNILA, T. LAIHONEN and A. PARREAU: Tolerant identification with Euclidean balls, *Networks*, Vol. 61, pp. 212–225, 2013.
- [333] C. X. KANG and E. YI: Distance- $k$  locating-dominating sets in graphs, *Bulletin of the Institute of Combinatorics and its Applications*, Vol. 95, pp. 38–56, 2022.
- [334] M. G. KARPOVSKY, K. CHAKRABARTY and L. B. LEVITIN: On a new class of codes for identifying vertices in graphs, *IEEE Transactions on Information Theory*, Vol. IT-44, pp. 599–611, 1998.
- [335] M. G. KARPOVSKY, K. CHAKRABARTY, L. B. LEVITIN and D. R. AVRESKY: On the covering of vertices for fault diagnosis in hypercubes, *Information Processing Letters*, Vol. 69, pp. 99–103, 1999.
- [336] J. H. KIM, O. PIKHURKO, J. H. SPENCER and O. VERBITSKY: How complex are random graphs in first order logic? *Random Structures & Algorithms*, Vol. 126, pp. 119–145, 2005.
- [337] J. L. KIM and S. J. KIM: Identifying codes in  $q$ -ary hypercubes, *Bulletin of the Institute of Combinatorics and its Applications*, Vol. 59, pp. 93–102, 2010.
- [338] Y. KIM, M. KUMBHAT, Z. L. NAGY, B. PATKÓŠ, A. POKROVSKIY and M. VIZER: Identifying codes and searching with balls in graphs, *Discrete Applied Mathematics*, Vol. 193, pp. 39–47, 2015.
- [339] M. KINAWI, Z. HUSSAIN and L. NIEPEL: Minimal locating-paired-dominating sets in triangular and king grids, *Kuwait Journal of Science*, Vol. 45(3), pp. 39–45, 2018.
- [340] R. K. KINCAID and R. M. GIVENS: Tabu search for a mixed strength sensor location problem, *Proceedings of the 2019 MODSIM World Conference*, Norfolk, USA, 2019.

- [341] R. KINCAID, A. OLDHAM and G. YU: Optimal open-locating-dominating sets in infinite triangular grids, *Discrete Applied Mathematics*, Vol. 193, pp. 139–144, 2015.
- [342] P. L. LAI: Paths and cycles identifying vertices in twisted cubes, *Applied Mathematics and Computation*, Vol. 259, pp. 620–627, 2015.
- [343] M. LAIFENFELD: Coding for network applications: robust identification and distributed resource allocation, Ph. D. Thesis, University of Boston, USA, 2007.
- [344] M. LAIFENFELD: Localization and identification in networks using robust identifying codes, *Proceedings of Information Theory and Applications Workshop, ITA 2008*, pp. 165–174, 2008.
- [345] M. LAIFENFELD and A. TRACHTENBERG: Disjoint identifying-codes for arbitrary graphs, *Proceedings of the 2005 IEEE International Symposium on Information Theory*, Adelaide, Australia, pp. 244–248, September 2005.
- [346] M. LAIFENFELD and A. TRACHTENBERG: Identifying codes and covering problems, *IEEE Transactions on Information Theory*, Vol. IT-54, pp. 3929–3950, 2008.
- [347] M. LAIFENFELD, A. TRACHTENBERG and T. Y. BERGER-WOLF: Identifying codes and the set cover problem, *Proceedings of the 44th Annual Allerton Conf. on Communication, Control and Computing*, Monticello, USA, September 2006.
- [348] M. LAIFENFELD, A. TRACHTENBERG, R. COHEN and D. STAROBINSKI: Joint monitoring and routing in wireless sensor networks using robust identifying codes, *Proceedings of IEEE Broadnets 2007*, Raleigh, USA, pp. 197–206, September 2007.
- [349] T. LAIHONEN: Sequences of optimal identifying codes, *IEEE Transactions on Information Theory*, Vol. IT-48, pp. 774–776, 2002.
- [350] T. LAIHONEN: Optimal codes for strong identification, *European Journal of Combinatorics*, Vol. 23, pp. 307–313, 2002.
- [351] T. LAIHONEN: On optimal edge-robust and vertex-robust  $(1, \leq \ell)$ -identifying codes, *SIAM Journal on Discrete Mathematics*, Vol. 18, pp. 825–834, 2005.
- [352] T. LAIHONEN: On robust identification in the square and king grids, *Discrete Applied Mathematics*, Vol. 154, pp. 2499–2510, 2006.

- [353] T. LAIHONEN: Optimal  $t$ -edge-robust  $r$ -identifying codes in the king lattice, *Graphs and Combinatorics*, Vol. 22, pp. 487–496, 2006.
- [354] T. LAIHONEN: On edge-robust  $(1, \leq \ell)$ -identifying codes in binary Hamming spaces, *International Journal of Pure and Applied Mathematics*, Vol. 36, pp. 87–102, 2007.
- [355] T. LAIHONEN: On cages admitting identifying codes, *European Journal of Combinatorics*, Vol. 29, pp. 737–741, 2008.
- [356] T. LAIHONEN: The metric dimension for resolving several objects, *Information Processing Letters*, Vol. 116(11), pp. 694–700, 2016.
- [357] T. LAIHONEN: Information retrieval and the average number of input clues, *Advances in Mathematics of Communications*, Vol. 11, pp. 203–223, 2017.
- [358] T. LAIHONEN: On  $t$ -revealing codes in binary Hamming spaces, *Information and Computation*, Vol. 268, 104455, 11 pages, 2019.
- [359] T. LAIHONEN and J. MONCEL: On graphs admitting codes identifying sets of vertices, *Australasian Journal of Combinatorics*, Vol. 41, pp. 81–91, 2008.
- [360] T. LAIHONEN and S. RANTO: Codes identifying sets of vertices, *Lecture Notes in Computer Science*, No. 2227, pp. 82–91, Springer-Verlag, 2001.
- [361] T. LAIHONEN and S. RANTO: Families of optimal codes for strong identification, *Discrete Applied Mathematics*, Vol. 121, pp. 203–213, 2002.
- [362] T. LAIHONEN and S. RANTO: Codes identifying sets of binary words with large radii, *Proceedings of Workshop on Coding and Cryptography 2007*, Versailles, France, pp. 215–224, 2007.
- [363] K. B. LAKSHMANAN, D. J. ROSENKRATZ and S. S. RAVI: Alarm placement in systems with fault propagation, *Theoretical Computer Science*, Vol. 243, pp. 269–288, 2000.
- [364] S. M. LANE: Trees with unique minimum locating-dominating sets, Master’s Thesis, East Tennessee State University, USA, 72 pages, 2006.
- [365] M. S. LI, E. F. SHAN and M. J. GAO: Bounds for fault-tolerant locating-dominating sets, *Journal of Shanghai University. Natural Science*, Vol. 14(6), pp. 611–616, 2008 (in Chinese).
- [366] A. LOBSTEIN, O. HUDRY and I. CHARON: Locating-Domination and Identification, Chapter in: *Topics in Domination in Graphs*, T. Haynes, S. Hedetniemi & M. Henning, Eds., pp. 251–299, Springer, 2020.



- [367] M. LU, J. XU and Y. ZHANG: Identifying codes in the direct product of a complete graph and some special graphs, *Discrete Applied Mathematics*, Vol. 254, pp. 175–182, 2019.
- [368] J. McCOY and M. A. HENNING: Locating and paired-dominating sets in graphs, *Discrete Applied Mathematics*, Vol. 157, pp. 3268–3280, 2009.
- [369] F. MC INERNEY: Domination and identification games in graphs, Thèse de Doctorat, Université Côte d’Azur, France, xii+157 pages, July 2019.
- [370] S. MADDAH, M. GHORBANI and M. DEHMER: New results of identifying codes in product graphs, *Applied Mathematics and Computation*, Vol. 410, 126438, 7 pages, 2021.
- [371] P. MANUEL: Locating and liar domination of circulant networks, *Ars Combinatoria*, Vol. 101, pp. 309–320, 2011.
- [372] R. MARTIN and B. STANTON: Lower bounds for identifying codes in some infinite grids, *Electronic Journal of Combinatorics*, Vol. 17(1), R122, 2010.  
<http://www.combinatorics.org>
- [373] R. MARTIN, B. STANTON and S. WALKER: Bounds for identifying codes in general graphs and identifying codes with small error, submitted.
- [374] M. MILANIČ and A. I. TOMESCU: Set graphs. I. Hereditarily finite sets and extensional acyclic orientations, *Discrete Applied Mathematics*, Vol. 161, pp. 677–690, 2013.
- [375] M. MILANIČ, R. RIZZI and A. I. TOMESCU: Set graphs. II. Complexity of set graph recognition and similar problems, *Theoretical Computer Science*, Vol. 547, pp. 70–81, 2014.
- [376] M. MILLER, R. S. RAJAN, R. JAYAGOPAL, I. RAJASINGH and P. MANUEL: A note on the locating-total domination in graphs, *Discussiones Mathematicae Graph Theory*, Vol. 37, pp. 745–754, 2017.
- [377] M. MIMOUNI, N. IKHLEF-ESCHOUF and M. ZAMIME: On connected  $3\text{-}\gamma_L$ -dot-critical graphs, *Bulletin of the Iranian Mathematical Society*, to appear.
- [378] D. A. MOJDEH: On the conjectures of neighbor locating coloring of graphs, *Theoretical Computer Science*, Vol. 922, pp. 300–307, 2022.
- [379] J. MONCEL: Codes identifiants dans les graphes, Thèse de Doctorat, Université de Grenoble, France, 165 pages, June 2005.
- [380] J. MONCEL: Codes identifying vertices in graphs, *Proceedings of the 7th International Colloquium on Graph Theory*, Giens, France, 2005.

- [381] J. MONCEL: Monotonicity of the minimum cardinality of an identifying code in the hypercube, *Discrete Applied Mathematics*, Vol. 154, pp. 898–899, 2006.
- [382] J. MONCEL: On graphs on  $n$  vertices having an identifying code of cardinality  $\lceil \log_2(n+1) \rceil$ , *Discrete Applied Mathematics*, Vol. 154, pp. 2032–2039, 2006.
- [383] J. MONCEL: Constructing codes identifying sets of vertices, *Designs, Codes and Cryptography*, Vol. 41, pp. 23–31, 2006.
- [384] J. MONCEL and M. RUSZINKÓ: Codes identifiant des ensembles de sommets, *Les Cahiers du Laboratoire Leibniz*, No. 114, pp. 65–67, 2004.
- [385] B. M. E. MORET and H. D. SHAPIRO: On minimizing a set of tests, *SIAM Journal on Scientific and Statistical Computing*, Vol. 6, pp. 983–1003, 1985.
- [386] T. MÜLLER and J. S. SERENI: Identifying and locating-dominating codes in (random) geometric networks, *Combinatorics, Probability and Computing*, Vol. 18, pp. 925–952, 2009.
- [387] M. MURTAZA, M. FAZIL and I. JAVAID: Locating-dominating sets of functigraphs, *Theoretical Computer Science*, Vol. 799, pp. 115–123, 2019.
- [388] M. MURTAZA, I. JAVAID and M. FAZIL: Covering codes of a graph associated to a finite vector space, *Ukrainiskii Matematicheskii Zhurnal*, Vol. 72(7), pp. 952–959, 2020. Reprinted in *Ukrainian Mathematical Journal*, Vol. 72(7), pp. 1108–1117, 2020.
- [389] S. MUTHAMMAI and N. MEENAL: Co-isolated locating domination number for some standard graphs, *National Conference on Applications of Mathematics & Computer Science (NCAMCS-2012)*, S.D.N.B Vaishnav College for Women (Autonomous), Chennai (India), pp. 60–61, February 2012.
- [390] S. MUTHAMMAI and N. MEENAL: Co-isolated locating domination number of a graph, *Proceedings of the UGC Sponsored National Seminar on Applications in Graph Theory*, Seethalakshmi Ramaswamy College (Autonomous), Tiruchirappalli (India), pp. 7–9, December 2012.
- [391] S. MUTHAMMAI and N. MEENAL: Co-isolated locating domination number for the complement of a doubly connected graph, *International Journal of Mathematics and Scientific Computing*, Vol. 5(1), pp. 57–59, 2015.
- [392] L. NIEPEL: Locating-paired-dominating sets in square grids, *Discrete Mathematics*, Vol. 338, pp. 1699–1705, 2015.

- [393] R. NIKANDISH, O. KHANI NASAB and E. DODONGE: Minimum identifying codes in some graphs differing by matchings, *Discrete Mathematics, Algorithms and Applications*, Vol. 12(3), 2050046, 8 pages, 2020.
- [394] W. NING, M. LU and J. GUO: Bounds on the differentiating-total domination number of a tree, *Discrete Applied Mathematics*, Vol. 200, pp. 153–160, 2016.
- [395] W. NING, M. LU and J. GUO: Locating and differentiating-total dominating sets in unicyclic graphs, *Ars Combinatoria*, Vol. 132, pp. 241–255, 2017.
- [396] W. NING, M. LU and K. WANG: Bounding the locating-total domination number of a tree in terms of its annihilation number, *Discussiones Mathematicae Graph Theory*, Vol. 39, pp. 31–40, 2019.
- [397] K. OBATA: On identifying codes in lattices, Preprint, December 2003. <http://www.kenjioba.net/images/Identifying.pdf>
- [398] B. N. OMAMALIN, S. R. CANOY, Jr., and H. M. RARA: Locating total dominating sets in the join, corona and composition of graphs, *Applied Mathematical Sciences (Ruse)*, Vol. 8(45–48), pp. 2363–2374, 2014.
- [399] B. N. OMAMALIN, S. R. CANOY, Jr., and H. M. RARA: Differentiating total domination in graphs: Revisited, *International Journal of Mathematical Analysis*, Vol. 8, pp. 2789–2798, 2014.
- [400] B. S. PANDA and A. PANDEY: Algorithmic aspects of open neighbourhood location-domination in graphs, *Discrete Applied Mathematics*, Vol. 216(1), pp. 290–306, 2017.
- [401] A. PANDEY: Open neighborhood locating-dominating set in graphs: Complexity and algorithms, *Proceedings of the 14th International Conference on Information Technology (ICIT 2015)*, Bhubaneswar, India, pp. 1-6, 2015.
- [402] G. PARIS: Resolution of some optimisation problems on graphs and combinatorial games, Thèse de Doctorat, Université Claude Bernard Lyon 1, France, 142 pages, October 2018.
- [403] A. PARREAU: Problèmes d’identification dans les graphes, Thèse de Doctorat, Université de Grenoble, France, 214 pages, July 2012.
- [404] M. PASTORI: Les codes identifiants ou comment sauver le Palais des flammes ? *Découverte*, Vol. 369, pp. 56–59, 2010.
- [405] R. W. PAYNE and D. A. PREECE: Identification keys and diagnostic tables: a review, *Journal of the Royal Statistical Society, Ser. A*, Vol. 143, pp. 253–292, 1980.

- [406] I. M. PELAYO: Locating domination in graphs, *Abstracts of the 8th French Combinatorial Conference*, Orsay, France, No. 150, 2010.
- [407] M. PELTO: New bounds for  $(r, \leq 2)$ -identifying codes in the infinite king grid, *Cryptography and Communications*, Vol. 2, pp. 41–47, 2010.
- [408] M. PELTO: On locating-dominating codes for locating large numbers of vertices in the infinite king grid, *Australasian Journal of Combinatorics*, Vol. 50, pp. 127–139, 2011.
- [409] M. PELTO: On  $(r, \leq 2)$ -locating-dominating codes in the infinite king grid, *Advances in Mathematics of Communications*, Vol. 6, pp. 27–38, 2012.
- [410] M. PELTO: On identifying and locating-dominating codes in the infinite king grid, Ph. D. Thesis, University of Turku, Finland, 133 pages, 2012.
- [411] M. PELTO: Optimal  $(r, \leq 3)$ -locating-dominating codes in the infinite king grid, *Discrete Applied Mathematics*, Vol. 161, pp. 2597–2603, 2013.
- [412] M. PELTO: Optimal identifying codes in the infinite 3-dimensional king grid, *European Journal of Combinatorics*, Vol. 36, pp. 641–659, 2014.
- [413] M. PELTO: Maximum difference about the size of optimal identifying codes in graphs differing by one vertex, *Discrete Mathematics & Theoretical Computer Science*, Vol. 17(1), pp. 339–356, 2015.
- [414] M. PELTO: On locating-dominating codes in the infinite king grid, *Ars Combinatoria*, Vol. 124, pp. 353–363, 2016.
- [415] M. PELTO: The number of completely different optimal identifying codes in the infinite square grid, *Discrete Applied Mathematics*, Vol. 233, pp. 143–158, 2017.
- [416] M. PELTO: A definition of uniqueness for optimal identifying and covering codes in infinite lattices, submitted.
- [417] S. PIRZADA, R. RAJA and S. REDMOND: Locating sets and numbers of graphs associated to commutative rings, *Journal of Algebra and Its Applications*, Vol. 13(7), 1450047, 18 pages, 2014.
- [418] L. Q. PU and Y. L. CHAI: Bounds of  $r$ -identifying and  $r$ -locating-dominating codes in the Kronecker product graph of  $C_n$  and  $K_2$ , *Journal of Zhengzhou University. Natural Science*, Vol. 45, pp10–12, 2013 (in Chinese).
- [419] N. J. RAD and H. RAHBANI: Bounds on the locating-domination number and differentiating-total domination number in trees, *Discussiones Mathematicae Graph Theory*, Vol. 38, pp. 455–462, 2018.

- [420] H. RAHBANI, N. J. RAD and S. M. MIRREZAEI: Bounds on the identifying codes in trees, *Graphs and Combinatorics*, Vol. 35, pp. 599–609, 2019.
- [421] H. RAHBANI, N. J. RAD and M. R. SADEGHI: A note on the complexity of locating-total domination in graphs, *Theoretical Computer Science*, Vol. 799, pp. 32–39, 2019.
- [422] H. RAHBANI, A. TAHERIFAR and N. J. RAD: Trees with no locating Roman domination critical vertices, *Iranian Journal of Science and Technology, Transaction A*, Vol. 45(2), pp. 585–592, 2021.
- [423] R. RAJA, S. PIRZADA and S. REDMOND: On locating numbers and codes of zero divisor graphs associated with commutative rings, *Journal of Algebra and Its Applications*, Vol. 15(1), 1650014, 22 pages, 2016.
- [424] G. RAJASEKAR and K. NAGARAJAN: Location domination number of line graph, *Journal of Discrete Mathematical Sciences and Cryptography*, Vol. 22(5), pp. 777–786, 2019.
- [425] I. RAJASINGH, R. JAYAGOPAL and R. S. RAJAN: Domination parameters in hypertrees and sibling trees, *Discrete Applied Mathematics*, Vol. 280, pp. 237–245, 2020.
- [426] D. F. RALL and P. J. SLATER: On location-domination numbers for certain classes of graphs, *Congressus Numerantium*, Vol. 45, pp. 97–106, 1984.
- [427] D. F. RALL and K. WASH: Identifying codes of the direct product of two cliques, *European Journal of Combinatorics*, Vol. 36, pp. 159–171, 2014.
- [428] D. F. RALL and K. WASH: On minimum identifying codes in some Cartesian product graphs, *Graphs and Combinatorics*, Vol. 33, pp. 1037–1053, 2017.
- [429] S. RANTO: Optimal linear identifying codes, *IEEE Transactions on Information Theory*, Vol. IT-49, pp. 1544–1547, 2003.
- [430] S. RANTO: Identifying and locating-dominating codes in binary Hamming spaces, Ph.D. Thesis, University of Turku, Finland, 95 pages, 2007.
- [431] S. RANTO: On binary linear  $r$ -identifying codes, *Designs, Codes and Cryptography*, Vol. 60, pp. 81–89, 2011.
- [432] S. RANTO, I. HONKALA and T. LAIHONEN: Two families of optimal identifying codes in binary Hamming spaces, *IEEE Transactions on Information Theory*, Vol. IT-48, pp. 1200–1203, 2002.

- [433] N. S. V. RAO: Computational complexity issues in operative diagnosis of graph-based systems, *IEEE Transactions on Computers*, Vol. 42, pp. 447–457, 1993.
- [434] A. RASPAUD and L. D. TONG: The minimum identifying code graphs, *Discrete Applied Mathematics*, Vol. 160, pp. 1385–1389, 2012.
- [435] S. RAY, D. STAROBINSKI, A. TRACHTENBERG and R. UNGRANGSI: Robust location detection with sensor networks, *IEEE Journal on Selected Areas in Communications*, Vol. 22(6), pp. 1016–1025, 2004.
- [436] S. RAY, R. UNGRANGSI, F. DE PELLEGRINI, A. TRACHTENBERG and D. STAROBINSKI: Robust location detection in emergency sensor networks, *Proceedings of INFOCOM 2003*, San Francisco, USA, pp. 1044–1053, April 2003.
- [437] H. RAZA: Computing open locating-dominating number of some rotationally-symmetric graphs, *Mathematics*, Vol. 9(12), 2021.
- [438] H. RAZA, S. HAYAT and X. F. PAN: Binary locating-dominating sets in rotationally-symmetric convex polytopes, *Symmetry*, Vol. 10(12), 2018.
- [439] D. L. ROBERTS and F. S. ROBERTS: Locating sensors in paths and cycles: the case of 2-identifying codes, *European Journal of Combinatorics*, Vol. 29, pp. 72–82, 2008.
- [440] M. L. RODEN and P. J. SLATER: Liar’s domination in graphs, *Discrete Mathematics*, Vol. 309, pp. 5884–5890, 2009.
- [441] M. ROOZBAYANI and H. R. MAIMANI: Identifying codes and watching systems in Kneser graphs, *Discrete Mathematics, Algorithms and Applications*, Vol. 9, 1750007, 2017.
- [442] M. ROOZBAYANI, H. R. MAIMANI and A. TEHRANIAN: Watching systems of triangular graphs, *Transactions on Combinatorics*, Vol. 3, pp. 51–57, 2014.
- [443] P. ROSENDAHL: On the identification of vertices using cycles, *Electronic Journal of Combinatorics*, Vol. 10(1), R7, 2003.  
<http://www.combinatorics.org>
- [444] P. ROSENDAHL: On the identification problems in products of cycles, *Discrete Mathematics*, Vol. 275, pp. 277–288, 2004.
- [445] A. Lj. SAVIĆ, Z. Lj. MAKSIMOVIĆ and M. S. BOGDANOVIĆ: The open-locating-dominating number of some convex polytopes, *Filomat*, Vol. 32(2), pp. 635–642, 2018.

- [446] S. M. SEAGER: Locating a robber on a graph, *Discrete Mathematics*, Vol. 312, pp. 3265–3269, 2012.
- [447] S. M. SEAGER: A sequential locating game on graphs, *Ars Combinatoria*, Vol. 110, pp. 45–54, 2013.
- [448] S. M. SEAGER: Locating a backtracking robber on a tree, *Theoretical Computer Science*, Vol. 539, pp. 28–37, 2014.
- [449] S. J. SEO: Open-locating-dominating sets in the infinite king grid, *Journal of Combinatorial Mathematics and Combinatorial Computing*, Vol. 104, pp. 31–47, 2018.
- [450] S. J. SEO: Fault-tolerant detectors for distinguishing sets in cubic graphs, *Discrete Applied Mathematics*, Vol. 293, pp. 25–33, 2021.
- [451] S. J. SEO and P. J. SLATER: Open neighborhood locating-dominating sets, *Australasian Journal of Combinatorics*, Vol. 46, pp. 109–119, 2010.
- [452] S. J. SEO and P. J. SLATER: Open neighborhood locating-dominating in trees, *Discrete Applied Mathematics*, Vol. 159, pp. 484–489, 2011.
- [453] S. J. SEO and P. J. SLATER: Open neighborhood locating-domination for infinite cylinders, *Proceedings of ACM SE 11*, Kennesaw, USA, pp. 334–335, 2011.
- [454] S. J. SEO and P. J. SLATER: Graphical parameters for classes of tumbling block graphs, *Congressus Numerantium*, Vol. 213, pp. 155–168, 2012.
- [455] S. J. SEO and P. J. SLATER: Open neighborhood locating-domination for grid-like graphs, *Bulletin of the Institute of Combinatorics and its Applications*, Vol. 65, pp. 89–100, 2012.
- [456] S. J. SEO and P. J. SLATER: Open locating-dominating interpolation for trees, *Congressus Numerantium*, Vol. 215, pp. 145–152, 2013.
- [457] S. J. SEO and P. J. SLATER: OLD trees with maximum degree three, *Utilitas Mathematica*, Vol. 94, pp. 361–380, 2014.
- [458] S. J. SEO and P. J. SLATER: Fault tolerant detectors for distinguishing sets in graphs, *Discussiones Mathematicae Graph Theory*, Vol. 35, pp. 797–818, 2015.
- [459] S. J. SEO and P. J. SLATER: Open-independent, open-locating-dominating sets, *Electronic Journal of Graph Theory and Applications*, Vol. 5, pp. 179–193, 2017.

- [460] J. L. SEWELL and P. J. SLATER: Locating mobile intruders using dominating sets, *Journal of Combinatorial Mathematics and Combinatorial Computing*, Vol. 74, pp. 253–267, 2010.
- [461] J. L. SEWELL and P. J. SLATER: A sharp lower bound for locating-dominating sets in trees, *Australasian Journal of Combinatorics*, Vol. 60, pp. 136–149, 2014.
- [462] A. SHAMINEJAD and E. VATANDOOST: The identifying code number and functigraphs, *Journal of Algebraic Systems*, Vol. 10, pp. 155–166, 2022.
- [463] A. SHAMINEJAD, E. VATANDOOST and K. MIRASHEH: The identifying code number and Mycielski’s construction of graphs, *Transactions on Combinatorics*, Vol. 11, pp. 309–316, 2022.
- [464] N. V. SHINDE, S. A. MANE and B. N. WAPHARE: Identifying codes in the direct product of a path and a complete graph, *Discussiones Mathematicae Graph Theory*, Vol. 43(2), pp. 463–486, 2023.
- [465] N. V. SHINDE and B. N. WAPHARE: Improved upper bounds for identifying codes in  $n$ -dimensional  $q$ -ary cubes, *International Journal of Applied and Computational Mathematics*, Vol. 6(2), Paper No. 43, 11 pages, 2020.
- [466] A. SIMIĆ, M. BOGDANOVIĆ and J. MILOSEVIĆ: The binary locating-dominating number of some convex polytopes, *Ars Mathematica Contemporanea*, Vol. 13, pp. 367–377, 2017.
- [467] R. D. SKAGGS: Identifying vertices in graphs and digraphs, Ph. D. Thesis, University of South Africa, South Africa, 88 pages, 2007.
- [468] P. J. SLATER: Leaves of trees, *Congressus Numerantium*, Vol. 14, pp. 549–559, 1975.
- [469] P. J. SLATER: Domination and location in graphs, National University of Singapore, Research Report No. 93, April 1983.
- [470] P. J. SLATER: Domination and location in acyclic graphs, *Networks*, Vol. 17, pp. 55–64, 1987.
- [471] P. J. SLATER: Dominating and reference sets in a graph, *Journal of Mathematical and Physical Sciences*, Vol. 22, pp. 445–455, 1988.
- [472] P. J. SLATER: Locating dominating sets and locating-dominating sets, In: *Graph Theory, Combinatorics, and Applications: Proceedings of the 7th Quadrennial International Conference on the Theory and Applications of Graphs*, Vol. 2, pp. 1073–1079, Wiley, 1995.



- [473] P. J. SLATER: Fault-tolerant locating-dominating sets, *Discrete Mathematics*, Vol. 249, pp. 179–189, 2002.
- [474] P. J. SLATER: Liar’s domination, *Networks*, Vol. 54, pp. 70–74, 2009.
- [475] P. J. SLATER: A framework for faults in detectors within network monitoring systems, *WSEAS Transactions on Mathematics*, Vol. 12, pp. 911–916, 2013.
- [476] P. J. SLATER and J. L. SEWELL: A sharp lower bound for locating-dominating sets in trees, *Australasian Journal of Combinatorics*, Vol. 60, pp. 136–149, 2014.
- [477] P. J. SLATER and J. L. SEWELL: Independent locating-dominating sets and identifying codes in graphs, *Journal of Combinatorial Mathematics and Combinatorial Computing*, Vol. 104, pp. 261–272, 2018.
- [478] S. J. SONG, X. NING and P. CHENG: Locating and identifying codes in dihedral graphs, *Applied Mathematics and Computation*, Vol. 416, Paper No. 126752, 2022.
- [479] S. J. SONG, W. ZHANG and C. XU: Locating and identifying codes in circulant graphs, *Discrete Dynamics in Nature and Society*, Vol. 2021, Article ID 4056910, 9 pages, 2021.
- [480] B. STANTON: Improved bounds for  $r$ -identifying codes of the hex grid, *SIAM Journal on Discrete Mathematics*, Vol. 25, pp. 159–169, 2011.
- [481] B. STANTON: On vertex identifying codes for infinite lattices, Ph. D. Thesis, Iowa State University, USA, 94 pages, 2011.  
[http://orion.math.iastate.edu/rymartin/students/StantonB\\_PhD\\_S11.pdf](http://orion.math.iastate.edu/rymartin/students/StantonB_PhD_S11.pdf)
- [482] B. STANTON: Vertex identifying codes for the  $n$ -dimensional lattice, *Australasian Journal of Combinatorics*, Vol. 53, pp. 299–307, 2012.
- [483] L. K. STEWART: Minimum locating dominating sets in cographs, Unpublished manuscript, 1984.
- [484] D. P. SUMNER: Point determination in graphs, *Discrete Mathematics*, Vol. 5, pp. 179–187, 1973.
- [485] J. SUOMELA: Approximability of identifying codes and locating-dominating codes, *Information Processing Letters*, Vol. 103, pp. 28–33, 2007.
- [486] D. B. SWEIGART: Optimization approaches for open-locating dominating sets, Ph. D. Thesis, The College of William and Mary, Virginia, USA, 137 pages, 2019.

- [487] B. SWEIGART and R. KINCAID: Maximum covering formulation for open locating dominating sets, *Operations Research Proceedings 2016*, pp. 259–264, 2018.
- [488] B. SWEIGART, J. PRESNELL and R. KINCAID: An integer program for open locating dominating sets and its results on the hexagon-triangle infinite grid and other graphs, *2014 Systems and Information Engineering Design Symposium (SIEDS), Charlottesville, USA*, pp. 29–32, 2014.
- [489] K. THULASIRAMAN, M. XU, Y. XIAO and X. D. HU, Vertex identifying codes for fault isolation in communication networks, *Proceedings of the International Conference on Discrete Mathematics and Applications (ICDM 2006)*, Bangalore, India, 2006.
- [490] L. D. TONG: Automorphisms of neighborhood sequence of a graph, *Proceedings of Bordeaux Graph Workshop*, Bordeaux, France, pp. 133–134, 2014.
- [491] R. UNGRANGSI: Location detection in emergency sensor networks using robust identifying codes, M.S. thesis, Boston University, Boston, USA, 116 pages, 2003.
- [492] R. UNGRANGSI, A. TRACHTENBERG and D. STAROBINSKI: An implementation of indoor location detection systems based on identifying codes, *Lecture Notes in Computer Science*, No. 3283, pp. 175–189, Springer-Verlag, 2004.
- [493] P. VALICOV: Problèmes de placement, de coloration et d’identification, Thèse de Doctorat, Université de Bordeaux 1, France, 110 pages, 2012.
- [494] M. VANDERMEER: Codes identifiants de graphes, Mémoire de Master, Université de Liège (Département de Mathématiques), Belgique, 82 pages, 2018.
- [495] K. WASH: Identifying codes and domination in the product of graphs, Ph. D. Thesis, Clemson University, USA, 63 pages, 2014.
- [496] Y. XIAO, C. HADJICOSTIS and K. THULASIRAMAN: The  $d$ -identifying codes problem for vertex identification in graphs: probabilistic analysis and an approximation algorithm, *Proceedings of COCOON 2006, 12th Annual International Computing and Combinatorics Conference*, Taipei, Taiwan, pp. 284–298, 2006.
- [497] H. XING and M. Y. SOHN: Bounds on locating-total domination number of the Cartesian product of cycles, *Ars Combinatoria*, Vol. 113A, pp. 139–146, 2014.

- [498] H. XING and M. Y. SOHN: Bounds on locating total domination number of the Cartesian product of cycles and paths, *Information Processing Letters*, Vol. 115(12), pp. 950–956, 2015.
- [499] M. XU, K. THULASIRAMAN and X. D. HU: Identifying codes of cycles with odd orders, *European Journal of Combinatorics*, Vol. 29, pp. 1717–1720, 2008.
- [500] Y.-C. XU and R.-B. XIAO: Solving the identifying code problem by a genetic algorithm, *IEEE Transactions on Systems, Man and Cybernetics, Part A*, Vol. 37(1), pp. 41–46, 2007.
- [501] Y.-C. XU and R.-B. XIAO: Identifying code for directed graph, *Proceedings of Eighth ACIS International Conference on Software Engineering, Artificial Intelligence, Networking, and Parallel/Distributed Computing (SNPD 2007)*, Vol. 2, pp. 97–101, 2007.
- [502] E. YAAKOBI and J. BRUCK: On the uncertainty of information retrieval in associative memories, *Proceedings of the 2012 IEEE International Symposium on Information Theory*, pp. 106–110, 2012.
- [503] E. YAAKOBI and J. BRUCK: On the uncertainty of information retrieval in associative memories, *IEEE Transactions on Information Theory*, Vol. IT-65(4), pp. 2155–2165, 2018.
- [504] J. YAO, X. YU, G. WANG and C. XU: Neighbor sum distinguishing total coloring of 2-degenerate graphs, *Journal of Combinatorial Optimization*, Vol. 34, pp. 64–70, 2017.
- [505] L. ZAKREVSKI and M. G. KARPOVSKY: Fault-tolerant message routing for multiprocessors, In: *Parallel and Distributed Processing*, J. Rolim, Ed., pp. 714–731, Springer, 1998.
- [506] L. ZAKREVSKI and M. G. KARPOVSKY: Fault-tolerant message routing in computer networks, *Proceedings of International Conference on Parallel and Distributed Processing Techniques and Applications*, pp. 2279–2287, 1999.
- [507] Z. ZHANG, X. CHEN, J. LI, B. YAO, X. LU and J. WANG: On adjacent-vertex-distinguishing total coloring of graphs, *Science in China, Ser. A: Mathematics*, Vol. 48, pp. 289–299, 2005.