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List of Publications:-

Journals

1. X. Jiang, Q. Liu, N. Parthiban, and R. S. Rajan, "A note on minimum linear arrangement for BC graphs," Discrete Math., Alg. and Appl., vol. 10, no. 2, 1850023:1–1850023:7, 2018. DOI: 10.1142/S1793830918500234. [Online]. Available: https://doi.org/10.1142/S1793830918500234.

2. S. Klavzar, D. A. Jemilet, I. Rajasingh, P. D. Manuel, and N. Parthiban, "General transmission lemma and wiener complexity of triangular grids," Appl. Math. Comput., vol. 338, pp. 115–122, 2018. DOI: 10.1016/j.amc.2018.05.056. [Online]. Available: https://doi.org/10.1016/j.amc.2018.05.056.

3. N. Parthiban, J. Ryan, I. Rajasingh, R. S. Rajan, and L. N. Rani, "Exact wirelength of embedding chord graph into tree-based architectures," IJNVO, vol. 17, no. 1, pp. 76–87, 2017. DOI: 10.1504/IJNVO.2017.10004171. [Online]. Available: https://doi.org/10.1504/IJNVO.2017.10004171.

4. I. Rajasingh, P. D. Manuel, N. Parthiban, D. A. Jemilet, and R. S. Rajan, "Transmission in butterfly networks," Comput. J., vol. 59, no. 8, pp. 1174–1179, 2016. DOI: 10.1093/comjnl/bxv127. [Online]. Available: https://doi.org/10.1093/ comjnl/bxv127.

5. M. Umaparvathi, N. Bhalaji, S. J. Prasanna, and N. Parthiban, "Analysis of creido enhanced chord overlay protocol under different movement models in delay tolerant networks," Wireless Personal Communications, vol. 90, no. 2, pp. 985–1001,2016. DOI: 10.1007/s11277-016-3277-x. [Online]. Available: https://doi.org/10.1007/s11277-016-3277-x.

6. P. D. Manuel, I. Rajasingh, R. S. Rajan, N. Parthiban, and T. M. Rajalaxmi, "A tight bound for congestion of an embedding," in Algorithms and Discrete Applied Mathematics - First International Conference, CALDAM 2015, Kanpur, India, February 8-10, 2015. Proceedings, S. Ganguly and R. Krishnamurti, Eds., ser. Lecture Notes in Computer Science, vol. 8959, Springer,2015, pp. 229–237.

7. M. Miller, R. S. Rajan, N. Parthiban, and I. Rajasingh, "Minimum linear arrangement of incomplete hypercubes," Comput.J., vol. 58, no. 2, pp. 331–337, 2015. DOI: 10.1093/comjnl/bxu031. [Online]. Available: https://doi.org/10.1093/comjnl/bxu031.

8. R. S. Rajan, P. D. Manuel, I. Rajasingh, N. Parthiban, and M. Miller, “A lower bound for dilation of an embedding,” Comput. J., vol. 58, no. 12, pp. 3271–3278, 2015. DOI: 10.1093/comjnl/bxv021. [Online]. Available: https://doi.org/10.1093/comjnl/bxv021.

9. R. S. Rajan, N. Parthiban, and T. M. Rajalaxmi, “Embedding of recursive circulants into certain necklace graphs,” Mathematics in Computer Science, vol. 9, no. 2, pp. 253–263, 2015. DOI: 10.1007/s11786-015-0232-2. [Online]. Available:https://doi.org/10.1007/s11786-015-0232-2.

10. I. Rajasingh, R. S. Rajan, N. Parthiban, and T. M. Rajalaxmi, “Bothway embedding of circulant network into grid,” J. Discrete Algorithms, vol. 33, pp. 2–9, 2015. DOI: 10.1016/j.jda.2015.01.001. [Online]. Available: https://doi.org/10.1016/j.jda.2015.01.001.

11. R. S. Rajan, I. Rajasingh, P. D. Manuel, T. M. Rajalaxmi, and N. Parthiban, “Embedding circulant networks into butterflyand benes networks,” in Combinatorial Algorithms - 25th International Workshop, IWOCA 2014, Duluth, MN, USA, October 15-17, 2014, Revised Selected Papers, J. Kratochvıl, M. Miller, and D. Froncek, Eds., ser. Lecture Notes in ComputerScience, vol. 8986, Springer, 2014, pp. 298–306.

12. R. S. Rajan, I. Rajasingh, N. Parthiban, and T. M. Rajalaxmi, “A linear time algorithm for embedding hypercube into cylinder and torus,” Theor. Comput. Sci., vol. 542, pp. 108–115, 2014. DOI: 10.1016/j.tcs.2014.05.007. [Online]. Available: https://doi.org/10.1016/j.tcs.2014.05.007.