

Last Five Years Publications

1. M. Arockiaraj, Jia-Bao Liu , J. Nancy Delaila , Arul Jeya Shalini, On the optimal layout of balanced complete multipartite graphs into grids and tree related structures , Discrete Applied Mathematics, 288 2020 50-65. SCI IF: 1.180
2. Arul Jeya Shalini , J. Nancy Delaila, J. Maria Juli, Optimal Linear Arrangement of Turán Graphs , International Journal of Recent Technology and Engineering, 8(6) 2020 3618-3621. 3
3. M. Arockiaraj, Jia-Bao Liu, Arul Jeya Shalini, Vertex decomposition method for wirelength problem and its applications to enhanced hypercube networks, IET Computers & Digital Techniques ,13(02) 2019 87-92. SCI IF:1.060.
4. Arockiaraj, J. Abraham, Arul Jeya Shalini, Node set optimization problem for complete Josephus cubes, Journal of Combinatorial Optimization, DOI: 10.1007/s108 78-019-00443-9. SCI IF: 0.816
5. Arul Jeya Shalini, J. Abraham, Aswathi D, Optimal layout of embedding chord graph into the windmill graph, International Journal of Computer Sciences and Engineering, 7(5) 2019 55-58.
6. Arul Jeya Shalini, J. Abraham, Sakthishwari S, Exact wirelength of embedding locally twisted cubes into rooted hypertrees, International Journal of Computer Sciences and Engineering, 7(5) 2019 69-73.
7. Arul Jeya Shalini, J. Abraham, M. Arockiaraj, A linear time algorithm for embedding locally twisted cube into grid network to optimize the layout, Discrete Applied Mathematics, 2018, DOI:10.1016/j.dam.2018.06.039. SCI IF: 0.983
8. Arul Jeya Shalini, Roselin, Embedding of christmas trees into sibling tree, ELEANOR– WCC Journal of Multidisciplinary Research, 2 (2018) 94-102. 9
9. Arul Jeya Shalini, A. Dhivya, Terminal Wiener indices coconut tree types dendrimer, ELEANOR–WCC Journal of Multidisciplinary Research, 2 (2018) 111-125.
10. Arul Jeya Shalini, C. Karthika, A study on voltage regulation using fuzzy analysis, International Journal of Latest Technology in Engineering, Management & Applied Science, 6(8) (2017) 33-35.
11. M. Arockiaraj, J. Abraham, J. Quadras, Arul Jeya Shalini, Linear layout of locally twisted cubes, International Journal of Computer Mathematics, 94(1) (2017) 56-65. SCI IF: 0.77
12. M. Arockiaraj, J. Clement, Arul Jeya Shalini, Variants of Szeged index in certain chemical nanosheets, Canadian Journal of Chemistry, 94 (2016) 608-619. SCI IF: 1.003
13. M. Arockiaraj, Arul Jeya Shalini, Extended cut method for edge Wiener, Schultz and Gutman indices with applications, MATCH Communications in Mathematical and Computer Chemistry, 76(1) (2016) 233-250. SCI IF: 3.139
14. M. Arockiaraj, Arul Jeya Shalini, Conjectures on wirelength of hypercube into cylinder and torus, Theoretical Computer Science, 595 (2015) 168-171. SCI IF: 0.94
15. M. Arockiaraj, J. Quadras, I. Rajasingh, Arul Jeya Shalini, Embedding hypercubes and folded hypercubes onto Cartesian product of certain trees, Discrete Optimization, 17 (2015) 1-13. SCI IF: 0.889
16. I. Rajasingh, M. Arockiaraj, J. Quadras, Arul Jeya Shalini, Linear layout of directed grid graph, Mathematics in Computer Science, 9(2) (2015) 221-227.
17. J. Quadras, M. Arockiaraj, I. Rajasingh, Arul Jeya Shalini, Wirelength of circulant network into nanostar dendrimer, Journal of Computational and Theoretical Nanoscience, 11(5) (2014) 1223-1229. SCI IF: 1.032
18. M. Arockiaraj, J. Quadras, I. Rajasingh, Arul Jeya Shalini, Embedding of hypercubes into sibling trees, Discrete Applied Mathematics, 169 (2014) 9-14. SCI IF: 0.722