

## REFERENCES

1. **AffifChaouche, F. and Berrachedi, A.**, Some bounds for the b-Chromatic number of a generalized Hamming Graphs, Far East Journal of Mathematics, Vol.26, 2006, 375-391.
2. **Alkhateeb, M.**, On b-coloring and b-continuity of graphs, Ph.D. Thesis, Technische University at, Germany, 2012.
3. **Appel, K. and Haken, W.**, Every planar map is four colorable. Part I: Discharging. Illinois Journal of Mathematics, Vol. 21(3), 1977, 429-490.
4. **Arthur Benjamin., Gary Chartrand. and Ping Zhang.**, The Fascinating world of graph theory, Princeton University press, 2015.
5. **Ayaida, M., Barhoumi, M., Fouchal, H., Doudane, Y.G. and Afilal, L.**, Joint routing and location-based service in VANETs, Journal of Parallel and Distributed computing, Vol. 74, (2), 2014, 2077-2087.
6. **Aycan, E. and Ayav, T.**, Solving the Course Scheduling Problem Using Simulated Annealing IEEE International Advance Computing Conference, 2009, 462-466.
7. **Balakrishnan, R. and Francis Raj, S.**, Bounds for the b-chromatic number of the Mycielskian of some families of graphs, Manuscript.
8. **Balakrishnan, R. and Ranganathan, K.**, A Textbook of Graph Theory, 2nd edition, Springer, New York, 2012.
9. **Balakrishnan, R. and Francis Raj, S.**, Bounds for the b-chromatic number of  $G-v$ , Manuscript.
10. **Balakrishnan, R. and Francis Raj, S.**, b-colouring of Kneser graphs, Discrete Applied Mathematics, Vol.160, 2010, 9-14.
11. **Behzad, M.**, Graphs and their chromatic numbers, Doctoral thesis, Michigan State University, 1965.

12. **Betancur Velasquez, C.I., Bonomo, F. and Kochb, I.**, On the b-coloring of P4-tidy graphs, *Discrete Applied Mathematics*, Vol.159, 2011, 60–68.
13. **Bharathi, S.N.**, A Study on Graph Coloring, *International Journal of Scientific & Engineering Research* Vol. 8, 2017.
14. **Blidia, M., Eschouf, N. and Maffray, F.**, On vertex b-critical trees, *Opuscula Mathematica*, Vol. 33(1), 2013, 19–28.
15. **Bondy, J.A. and Murty, U.S.R.**, *Graph Theory with Applications*, London: Macmillan 1976.
16. **Cabello, S. and Jakovac, M.**, on the b-chromatic number of regular graphs, *Discrete Applied Mathematics*, Vol.159, 2011, 1303–1310.
17. **Clark, J. and Holton, D.A.**, *A first look at graph theory*, World Scientific, London, 1991.
18. **Corteel, S., Valencia-Pabon, M. and Vera J.C.**, on approximating the b-chromatic number, *Discrete Appl. Math.* Vol.146. 2005, 106–110.
19. **Daniel, A. and Marcus.**, *Graph Theory- A Problem Oriented Approach*, The Mathematical Association of America, 2008.
20. **Dietzel, S., Petit, J., Heijnen, G. and Kargl, F.**, Graph-based metrics for insider attack detection in VANET multihop data dissemination protocols. *IEEE transactions on vehicular technology*, Vol. 62(4), 2012, 1505-1518.
21. **Douglas B. West**, *Introduction to Graph Theory*, second edition prentice Hall, India 2001.
22. **Dunbar, Hedetniemi, J.E., Hedetniemi Stephen, S.M., Jacobs, T., Knisely, D.P RenuLaskar, D.J. and Douglas F. Rall**, Fall colorings of graphs, *Journal of Combinatorial Mathematics and Combinatorial Computing* Vol.33, 2000, 257-273.
23. **Effantin, B. and H. Kheddouci, H.**, A distributed algorithm for a b-coloring of a graph, *International Symposium on Parallel and Distributed Processing and Applications (ISPA)*, *Lecture Notes in Computer Science*, Vol.4330, 2006, 430–438.

24. **Effantin, B. and H. Kheddouci, H.,** The b-chromatic number of some power graphs, *Discrete Mathematics and Theoretical Computer Science*, Vol.6, 2003, 45–54.
25. **Effantin, B. and H. Kheddouci, H.,** A Exact values for the b-chromatic number of a power complete k-ary tree, *Journal of Discrete Math. Sci. & Cryptography*, Vol.8, 2005, 117–129.
26. **Eiza, M.H. and Ni, Q.,** An evolving graph-based reliable routing scheme for VANETs. *IEEE transactions on vehicular technology*, Vol. 62(4), 2013, 1493-1504.
27. **Elaraby, S. and Abuelenin, S. M.,** Connectivity analysis of directed highway vehicular ad hoc networks using graph theory. *International Journal of Communication Systems*, Vol. 34(5), 2021.
28. **El-Sahili, A. and Kouider, M** About b-colouring of regular graphs, *Rapport de Recherche*, No 1432, CNRS-University Paris Sud-LRI, 02/2006.
29. **Eric Sopena,** Oriented graph coloring, *Discrete Mathematics*, Vol.229, 2001, 359-369.
30. **Feiri, M., Pielage, R., Petit, J., Zannone, N. and Kargl, F.,** Pre-distribution of certificates for pseudonymous broadcast authentication in VANET', *Vehicular Technology Conference (VTC Spring)*, 2015, 1-5.
31. **Francis, P. and Francis Raj, S.,** A study on b coloring and indicated coloring of graphs, *Ph.D Thesis*, Pondicherry University,2018.
32. **Frank Harary,** *Proofs and Techniques in Graph Theory*, Academic press, New York 1969.
33. **Furmanczyk, H., Kubale, M. and Mkrтчhyan, V. V.,** *Equitable Colorings of Corona Multiproducts of Graphs*, Cornell University, 2012.
34. **Galcik, F. and Katrenic, J.,** A note on approximating the b-chromatic number, *Discrete Applied Mathematics*, Vol.161, 2013, 1137–1140.

35. **Gallian, J.A.**, Dynamic Survey DS6: Graph Labeling, *Electronic Journal of Combinatorics*, DS6, 2007, 1-58.
36. **Gallian, J.A.**, A dynamic survey of graph labeling (twenty-first editions), *The Electronic Journal of Combinatorics*, 2018.
37. **Gary Chartrand and Ping Zhang**, *Chromatic Graph Theory*, CRC press, 2009.
38. **Gera, R.M.**, on dominator coloring in graphs, *Graph Theory Notes of New York* LII, 2007, 25-30.
39. **Guillaume Fertin., Raspaud, A. and Bruce Reed**, Star coloring of graphs, *Journal of Graph Theory*, Wiley, Vol.47 (3), 2004, 163-182.
40. **Guy Korsarz and Sunil Shende**, An improved approximation of the achromatic number on bipartite graphs, 2006.
41. **Harary, F. and Frucht, R.**, on the corona of two graphs, *Aequationes Mathematicae*, Vol. 4(3), 1970, 322-325.
42. **Havet, F., Sales, C. and Sampaio, L.**, b-coloring of tight graphs, *Discrete Applied Mathematics*, Vol. 160, 2012, 2709–2715.
43. **Heawood, P.J.**, Map colour theorem, *Quarterly Journal of Pure and Applied Mathematics*, Vol.24, 1890, 332-338.
44. **Hoang, C. T. and Kouider, M.**, On the b-dominating colouring of graphs, *Discrete Applied Mathematics*, Vol. 152,2005,176-186.
45. <https://www.geeksforgeeks.org/barbell-graph-using-python-networkx/>.
46. <http://en.Wikipedia.Org/wiki/Graphcolouring>. [Cited 2007, August 05].
47. **Husimi, K. and Husimi, M.**, *The Geometry of Origami*, Nihon Hyouronsha, Tokyo, 1979.
48. **Irving, R.W. and Manlove, D.F.**, The b-chromatic number of a graph, *Discrete Applied Mathematics*, Vol.91, 1999, 127 – 141.
49. **Jakovac, M. and Klavzar, S.**, The b-chromatic number of cubic graphs, *Graphs Combin.* Vol. 26, 2010, 107–118.

50. **Jakovac, M. and Peterin, I.**, The b-chromatic index of a graph, Institute of Mathematics, Physics and Mechanics, Vol. 50, 2012, 1–20.
51. **Jan Kratochvil, Zsolt Tuza, and Margit Voigt**, On the b-chromatic number of graphs, In Proc. of the 28th International Workshop on Graph Theoretic Concepts in Computer Science, Springer-Verlag, 2002, 310- 320.
52. **Jensen R. Tommy and Toft Bjarne**, Graph Colouring Problems, New York Wiley Inter science, 1995.
53. **Jonathan Gross and Jay Yellen**, Hand Book of Graph Theory, CRC press, New York, 2004.
54. **Justin, J.**, Mathematics of origami, part 9, British Origami, 1986, 28–30.
55. **Kalpana, M. and Vijayalakshmi, D.**, on b-coloring of tadpole graphs, Journal of applied science and computations, Vol. 5(10), 2018a, 589-594.
56. **Kalpana, M. and Vijayalakshmi, D.**, on b-coloring of Mycielskian graphs, International Journal of pure and applied mathematics, Vol. 119(15), 2018b, 1113-1123 .
57. **Kalpana, M. and Vijayalakshmi, D.**, A study on b-coloring of Topological operations of graphs and derived graphs, Ph.D Thesis, Bharathiar University, 2019.
58. **Kamalian, R.R.**, Interval colorings of complete bipartite graphs and trees, Preprint of the Computing Centre of the Academy of Science of Armenia, 1989(in Russian).
59. **Karthick, T.**, Note on equitable coloring of graphs, Australasian Journal of Combinatorics, Vol. 59(2), 2014, 251-259.
60. **Kempe, A.B.**, on the geographical problems of four colours, American journal of mathematics, Vol.2, 1879, 193-200.
61. **Khachatryan, H. and Mamikonyan, T.**, On interval edge-colorings of bipartite graphs, Computer Science and Information Technologies (CSIT), 2015.

62. **Khuller, S., Raghavachari, B. and Rosenfeld, A., Landmarks** in graphs, Discrete Appl. Math. Vol.70, 1996, 217–229.
63. **Kouider, M. and Zaker, M.,** Bounds for the b-chromatic number of some families of graph, Discrete Mathematics, Vol.306, 2006, 617-623.
64. **Kouider, M. and Maheo, M.,** Some bounds for the b-chromatic number of a graph, Discrete Mathematics, Vol. 256, 2002, 267–277.
65. **Kouider, M. and Maheo, M.,** The b-chromatic number of the Cartesian product of two graphs, Studia Sci. Math. Hungar, Vol.44, 2007, 49–55.
66. **Kouider, M. and Valencia-Pabon, M.,** On lower bounds for the b-chromatic number of connected bipartite graphs, Electronic Notes in Discrete Mathematics, Vol.37, 2011, 399–404.
67. **Kratochvíl, J., Tuza, Z. and Voigt, M.,** On the b-Chromatic Number of Graphs. Lecture Notes in Computer Science, 2002, 310–320.
68. **Lang, R.J.,** Origami and geometric constructions, Self Published, 1996-2003.
69. **Li, J., Lu, H. and Guizani, M.,** ACPN: A Novel Authentication Framework with Conditional Privacy-Preservation and Non-Repudiation for VANETs. IEEE Transactions on Parallel and Distributed Systems, Vol. 26(4), 2015, 938–948.
70. **Lisna, P.C. and Sunitha, M.S.,** A Note on the b-Chromatic Number of Corona of Graphs, Journal of Interconnection Networks, 15(01n02), 2015, 1550004.
71. **Liu, S., Effantin, B. and Kheddouci, H.,** A Fully dynamic distributed algorithm for a b-coloring of graphs, International Symposium on Parallel and Distributed Processing with Application, IEEE, 2008,657–662.
72. **Maffray, F. and Silva, A.,** The b-colouring outer planar graphs with large girth, Discrete Mathematics, Vol.312, 2012, 1796–1803.
73. **Marko Jakovac and Sandi Klavzar.,** The b-chromatic number of cubic graphs, Preprint series, Vol.47, 2009, 1067.

74. **Marko Jakov.,** Faculty of Natural Sciences and Mathematics, University of Maribor and IztokPeterin, on the b-chromatic number of some graph products, *Mathematica*, 2011.
75. **Michael, R.G. and David, S.J.,** *Computers and intractability: A guide to the theory of NP-completeness*, W.H. Freeman, New York, 1979.
76. **Miyazaki, S., Morimoto, N. and Okabe, Y.,** The online graph exploration problem on restricted graphs, *IEICE Transactions 92-D*, Vol. (9), 2009, 1620–1627.
77. **Mohanapriya, N. and Vernold Vivin, J.,** A study on dynamic coloring of graphs, PhD Thesis, Bharathiar University, 2017.
78. **Moon, J.W.,** on the line graph of the complete bigraph, *The Annals of Mathematical Statistics*, 1962, 664-667.
79. **Morimoto, N.,** Design and Analysis of Algorithms for Graph Exploration and Resource Allocation Problems and Their Application to Energy Management (Kyoto University), Ph.D. Thesis, 2014.
80. **Mostafa Blidia., Frederic Maffray. and Zoham Zemira.,** On b-colorings in regular graphs, *Discrete Applied Mathematics*, Vol.157, 2009, 1787-1793.
81. **Pavol Hell and Miller, D. J.,** *Achromatic numbers and Graph Operations*, (1988).
82. **Roopesh, N. and Thilagavathi, K.,** *Achromatic and Mediator Colouring of Graphs*, Ph.D Thesis, Bharathiar University ,2010.
83. **Saeed Shaebani,** On b-continuity of Kneser Graphs of type  $KG(2k + 1, k)$ , [Online] Available: arXiv: 0909.2770v2 [math.CO] 27 Sep 2010].
84. **Santhosh, G.,** Sequential coronations of graphs, *National Academy Science Letters*, Vol. 28, 2005, 269–270.
85. **Shaebani, S.,** on the b-chromatic number of regular graphs without 4-cycle, *Discrete Applied Mathematics*, Vol.160, 2012, 1610–1614.

86. **Sharma,R. and Adhikari, B.**, Self-Coordinated Corona Graphs: a model for complex networks, 2015a.
87. **Sharma, R., Adhikari, B. and Mishra, A.**, Structural and spectral properties of corona graphs. *Discrete Applied Mathematics*, Vol. 228, 2017, 14-31.
88. **Sharma, R., Adhikari, B. and Mishra, A.**, on Spectra of Corona Graphs. In *Conference on Algorithms and Discrete Applied Mathematics*, 2015b, 126-137.
89. **Sipser, M.**, Introduction to the theory of computation, Second Edition, Course Technology, Boston, MA, USA, 2005.
90. **Somasundaram, K. and Vignesh, R.**, Total Coloring Conjecture for Certain Classes of Product Graphs, Amrita Vishwa Vidyapeetham (University), 2019.
91. **Subhash, K.**, Improved in aproximability results for maxclique, chromatic number and approximate graph coloring, *Foundations of Computer Science, Proceedings of 42nd IEEE Symposium*,2001, 600–609.
92. **Thomas Hull.**, On the mathematics of flat origami’s, *Proceedings of the Twenty fifth South eastern International Conference on Combinatorics, Graph Theory and Computing* , Vol. 100, 1994, 215–224.
93. **Tiago Januario., Sebastian Urrutia. and Celso C. Ribeiro.**, Edge Coloring: A Natural Model for Sports Scheduling, *European Journal of Operational Research* ,2016.
94. **Vaidya, S.K. and Rakhimol V. Isaac.**, The b-chromatic number of some path related graphs , *International journal of mathematics and scientific computing* , Vol. 4, 2014.
95. **Velasquez, C., Bonomo, F. and Koch, I.**, on b-coloring of P4-tidy graphs, *Discrete Applied Mathematics*, Vol.159, 2011, 60–68.
96. **Venkatachalam, M. and Vernold, J.**, Discussions on b-chromatic number with other types of chromatic numbers on double star graphs, *Ricerche Mathematics*, Vol.63, 2014, 295–305.

97. **Vernold, J. and Venkatachalam, M.**, The b-chromatic number of corona graphs, *Utilities Math.*, Vol. 88, 2012, 299–307.
98. **Vernold, J. and Venkatachalam, M.**, A note on b-coloring of fan graphs, *Journal of Discrete Math. Sci. Cryptography*, Vol. 17, 2014, 443–448.
99. **Vijayalakshmi, D. and Thilagavathi, K.**, A Note on b-chromatic number of the Transformation graph  $G_{++-}$  and Corona Product of graphs, *International Journal of Applied Mathematical Research*, Vol. 1(4), 2012a, 715-725.
100. **Vijayalakshmi, D. and Thilagavathi, K.**, b-coloring in context of some graph operations, *International Journal of Mathematical Archive*, Vol. 3, 2012b, 1439–1442.
101. **Vizing, V.G.**, on the estimate of the chromatic class of a P-graph, (Russian), *Metody Diskret. Analiz.*, Vol.3,1965, 25-30.
102. **Xu, Z., He, D., Kumar, N. and Choo, K.K.R.**, Efficient certificate less aggregate signature scheme for performing secure routing in VANETs. *Security and Communication Networks*, 2020.
103. **Yang, T., Zhang, R., Cheng, X. and Yang, L.**, A graph coloring resource sharing scheme for full-duplex cellular-VANET heterogeneous networks. *International Conference on Computing, Networking and Communications (ICNC)*, 2016, 1-5.
104. **Yap, H.P. and Chew, K.H.**, The chromatic number of graphs of high degree, II *Journal of the Australian Mathematical Society* , Vol. 53 (2) , 1992 , 219 – 228.
105. **Yegnararyanan, V.**, Graph Colourings and Partitions, *Theoretical Computer Science*, Vol. 263, 2001, 59-74.