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**Ph.D. 1965 Karnatak; C.N. Srinivasaiyengar**

**Some studies in Boolean algebra**

## **Graph Theory Students:**

- V.N. Bhave 1975 Karnatak
- S.B. Chikkodimath 1975 Karnatak
- Bhalachandra R. Gudagudi 1976 Karnatak
- K.H. Kulkarani 1976 Karnatak
- H.B. Walikar 1982 Karnataka
- Prabha S. Neeralagi 1984 Karnataka
- C.V. Venkatachalam 1986 Karnatak
- S.S. Kamath 1989 Karnatak
- S.R. Jayaram 1989 Karnatak
- G.D. Kamath 1990 Karnatak
- L. Pushpa Latha 1994 Mysore

## **Graph Theory Publications:**

1. Eulerian hypergraphs. (with Pushpalatha, L.) *Adv. Stud. Contemp. Math. (Kyungshang)* **8** (2004) 115-119 05C65 (05C45)
2. Complement of a graph: a generalization. (with Pushpalatha, L.) *Graphs Combin.* **14** (1998) 377-392 05C75

3. Generalized complements of a graph. (with Pushpa Latha, L., Venkatachalam, C. V., Bhat, Pradeep) *Indian J. Pure Appl. Math.* **29** (1998) 625-639 05C75
4. Strong weak domination and domination balance in a graph. (with L.Pushpa Latha) *Discrete Math.* **161** (1996) 235-242 05C35
5. Reconstruction of a graph of order  $p$  from its  $(p-1)$ -complements. (with Pushpa Latha, L.) *Indian J. Pure Appl. Math.* **27** (1996) 435-441 05C60
6. Independent, perfect and connected neighbourhood numbers of a graph. (with Neeralagi, Prabha S.) *J. Combin. Inform. System Sci.* **19** (1994) 139-145 05C35 (05C40)
7. Semi-strong chromatic number of a graph. (with Pushpa Latha, L.) *Indian J. Pure Appl. Math.* **26** (1995) 35-40 05C15
8. Bilinear and trilinear partitions of a graph. (with Pushpa Latha, L.) *Indian J. Pure Appl. Math.* **25** (1994) 843-850 05C35
9. The global set-domination number of a graph. (with Pushpa Latha, L.) *Indian J. Pure Appl. Math.* **25** (1994) 1053-1057 05C35
10. Set domination in graphs. (with Pushpa Latha, L.) *J. Graph Theory* **18** (1994) 489-495 05C70
11. A generalization of chromatic index. (with Kamath, G. D.) *Discrete Math.* **124** (1994) 173-177 05C15
12. Characterizations of a cycle. *Math. Student* **61** (1992) 238-240 05C38
13. Point-set domination number of a graph. (with Latha, L. Pushpa) *Indian J. Pure Appl. Math.* **24** (1993) 225-229 05C35
14. Domination and neighbourhood critical, fixed, free and totally free points. (with Neeralagi, Prabha S.) *Sankhyā Ser. A* **54** (1992) 403-407 05C35
15. Mixed domination in graphs. (with Kamath, S. S.) *Sankhyā Ser. A* **54** (1992) 399-402 05C35
16.  $k$ -size chromatic number of a graph. (with Kamath, G. D.) *Sankhyā Ser. A* **54** (1992) 393-397 05C15
17. Generalizations of independence and chromatic numbers of a graph. *Discrete Math.* **115** (1993) 245-251 05C15 (05C35)
18. Chromatically fixed, free and totally free points in a graph. *J. Combin. Inform. System Sci.* **17** (1992) 130-138 05C15
19. A generalization of Menger's theorem for certain unicyclic graphs. *Graphs Combin.* **8** (1992) 377-380 05C40
20. The least point covering and domination numbers of a graph. *Discrete Math.* **86** (1990) 137-142 05C35 (05C70)
21. A characterization of trees. *J. Karnatak Univ. Sci.* **32** (1987) 192-193 05C05 The global domination number of a graph. *J. Math. Phys. Sci.* **23** (1989) 377-385 05C35 (05C70)
22. Chromatic partitions of a graph. (with Venkatachalam, C. V.) *Discrete Math.* **74** (1989) 227-239 05C15
23. Connectivity of a graph---a generalization. *J. Combin. Inform. System Sci.* **9** (1984) 71-78 05C40
24.  $(1,k)$ -domination in a graph. *J. Math. Phys. Sci.* **22** (1988) 613-619 05C35
25. Reconstruction of a disconnected graph from its elementary partition graphs. (with Bhave, V. N.) *J. Combin. Inform. System Sci.* **9** (1984) 242-246 05C60
26. Graphoidal covers and graphoidal covering number of a graph. (with Acharya, B. Devadas) *Indian J. Pure Appl. Math.* **18** (1987) 882-890 05C38 (05C70)

27. The line neighbourhood number of a graph. (with Neeralagi, Prabha S.) *Indian J. Pure Appl. Math.* **17** (1986) 142-149 05C99
28. The neighbourhood number of a graph. (with Neeralagi, Prabha S.) *Indian J. Pure Appl. Math.* **16** (1985) 126-132 05C35
29. A generalization of Menger's theorem for trees. *J. Combin. Inform. System Sci.* **8** (1983) 79-80 05C05 (05C38) On a conjecture of Cockayne and Hedetniemi. (with Walikar, H. B.) *J. Combin. Inform. System Sci.* **7** (1982) 212-215 05C70 (05C40)
30. Reconstruction of a pair of graphs from their concatenations. (with Kundu, Sukhamay, Shearer, James, Sturtevant, Dean) *SIAM J. Algebraic Discrete Methods* **1** (1980) 228-231 05C60
31. The connected domination number of a graph. (with Walikar, H. B.) *J. Math. Phys. Sci.* **13** (1979) 607-613 05C40
32. A generalization of the chromatic and line chromatic numbers of a graph. (with Neeralagi, Prabha S., Venkatachalam, C. V.) *J. Karnatak Univ. Sci.* **22** (1977) 44-49 05C15
33. Partition graphs and coloring numbers of a graph. (with Bhave, V. N.) *Discrete Math.* **16** (1976) 57-60 05C15
34. *L*-graphical partitions of an even number. *J. Karnatak Univ. Sci.* **20** (1975) 266-269 05C99
35. Partition graphs of a graph. (with Bhave, V. N.) *Progr. Math. (Allahabad)* **9** (1975) 33-42 05C99
36. Reconstruction of a tree from its homomorphic images and other related transforms. (with Kundu, Sukhamay, Bhave, V. N.) *J. Combin. Theory Ser. B* **20** (1976) 117-123 05C05
37. On tensor product graphs. *J. Austral. Math. Soc.* **20** (1975) 268-273 05C99
38. On the interchange graph of a finite planar graph. (with Kulli, V. R.) *J. Indian Math. Soc. (N.S.)* **37** (1973) 339-341 05C10
39. On duplicate graphs. *J. Indian Math. Soc. (N.S.)* **37** (1973) 285-293 05C99
40. On the line graph of subdivision graph. *J. Karnatak Univ. Sci.* **17** (1972) 259-260 05C99
41. On the minimum number of line-disjoint paths in a finite tree. (with Gudagudi, B. R.) *J. Karnatak Univ. Sci.* **17** (1972) 257-258 05C05
42. Transitive digraphs and topologies on a set. (with Kulkarni, K. H.) *J. Karnatak Univ. Sci.* **18** (1973) 266-273 05C20
43. Semi-total graphs of a graph. I, II, III. (with Chikkodimath, S. B.) *J. Karnatak Univ. Sci.* **18** (1973) 274-296 05C99
44. Characterizations of connected graphs. *J. Karnatak Univ. Sci.* **18** (1973) 312-314 05C99
45. Group valued graphs. (with Bhave, V. N.) *J. Karnatak Univ. Sci.* **18** (1973) 325-328 05C25
46. Point signed and line signed graphs. *Nat. Acad. Sci. Lett.* **7** (1984) 91-93 05C75
47. Arbitrarily traceable graphs. (with Bhave, V. N.) *Math. Student* **43** (1975) 428-430 05C75