

List of Books

- Old Classics

- [1] C. Berge. *Graphs and Hypergraphs*. North Holland, 1973.
- [2] F. Harary. *Graph Theory*. Addison-Wesley, Reading MA, 1969.
- [3] D. König. *Theorie der endlichen und unendlichen Graphen*. Akademische Verlagsgesellschaft, 1936.
- [4] O. Ore. *Theory of Graphs*, volume XXXVIII of *American Mathematical Society Colloquium Publications*. American Mathematical Society, 1962.

- Text Books

- [5] J. A. Bondy and U. S. R. Murty. *Graph Theory*, volume 244 of *Graduate Texts in Mathematics*. Springer, 1st edition, 2008.
- [6] J. A. Bondy and U. S. R. Murty. *Graph Theory with Applications*. <http://www.math.jussieu.fr/~jabondy/books/gtwa/gtwa.html>, 2008.
- [7] R. Diestel. *Graph Theory*, volume 173 of *Graduate Texts in Mathematics*. Springer, 2nd edition, 2000.
- [8] L. Lovász. *Combinatorial Problems and Exercises*. Akademiai Kiado and North Holland, 1979.
- [9] D.B. West. *Introduction to Graph Theory*. Prentice Hall of India, 2005.

- Books on Selected Topics

- [10] J. Akiyama and M. Kano. *Factors and Factorizations of Graphs: Proof Techniques in Factor Theory*, volume 2031 of *Lecture Notes in Mathematics*. Springer, 2010.
- [11] R.B. Bapat. *Graphs and Matrices*. Hindustan Book Agency, 2010.
- [12] L.W. Beineke and R.J. Wilson. *Selected Topics in Graph Theory Vols. 1,2 and 3*. Academic Press, 1978(1988).
- [13] N. Biggs. *Algebraic Graph Theory*, volume 67 of *Cambridge Tracts in Mathematics*. Cambridge University Press, 1974.
- [14] D. Bonchev and D.H. Rouvray. *Chemical Graph Theory: Introduction and Fundamentals*. Abacus Press/Gordon and Breach Science Publishers, 1991.
- [15] A. Brandstädt, V.B. Le, and J.P. Spinrad. *Graph Classes - A Survey*, volume 3. SIAM, Monographs on Discrete Mathematics and Applications, Philadelphia, 1999.
- [16] T.H. Cormen, C.E. Leiserson, R.L. Rivest, and C. Stein. *Introduction to Algorithms*. MIT Press and McGraw-Hill, 3rd edition, 2009.
- [17] J. Duato, S. Yalamanchili, and L.-M. Ni. *Interconnection Networks: An Engineering Approach*. Morgan Kaufman, 2003.
- [18] H. Fleischner. *Eulerian Graphs and Related Topics, Part 1*, volume 45 of *Ann. Discrete Mathematics*. North-Holland, Amsterdam, 1990.
- [19] H. Fleischner. *Eulerian Graphs and Related Topics, Part 2*, volume 50 of *Ann. Discrete Mathematics*. North-Holland, Amsterdam, 1991.

- [20] C. Godsil, and G. Royle. *Algebraic Graph Theory*, volume 207 of *Graduate Texts in Mathematics*. Springer, 2001.
- [21] R.L. Graham, B.L. Rothschild, and J.H. Spencer. *Ramsey Theory*. Wiley Interscience in Discrete Mathematics, 1980.
- [22] T. R. Jensen and B. Toft. *Graph Coloring Problems*. Wiley-Interscience, New York, 1995.
- [23] L. Lovász and D. Plummer. *Matching Theory (Ann. of Disc. Math, 29)*. Akademiai Kiado and North Holland, 1986.
- [24] J.W. Moon. *Topics on Tournaments*. Holt, Rinehart and Winston, 1968.
- [25] N. Trinajstić. *Chemical Graph Theory*. Mathematical Chemistry Series. CRC Press, 1992.