

combinatorics and graph theory pdf

Graph theory is also widely used in sociology as a way, for example, to measure actors' prestige or to explore rumor spreading, notably through the use of social network analysis software. Under the umbrella of social networks are many different types of graphs. Acquaintanceship and friendship graphs describe whether people know each other.

Graph theory - Wikipedia

Graph theory is one of the branches of modern mathematics having experienced a most impressive development in recent years. This book will draw the attention of the combinatorialists to a wealth of new problems and conjectures.

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GRAPH THEORY Keijo Ruohonen (Translation by Janne Tamminen, Kung-Chung Lee and Robert PichÃ©) 2013

GRAPH THEORY - TUT

In mathematics, and more specifically in graph theory, a graph is a structure amounting to a set of objects in which some pairs of the objects are in some sense "related". The objects correspond to mathematical abstractions called vertices (also called nodes or points) and each of the related pairs of vertices is called an edge (also called an arc or line).

Graph (discrete mathematics) - Wikipedia

Graphs and Combinatorics is an international journal, which was established in 1985. It is devoted to research concerning all aspects of combinatorial mathematics, especially graph theory and discrete geometry.

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Graph Spectrum. The set of graph eigenvalues of the adjacency matrix is called the spectrum of the graph. (But note that in physics, the eigenvalues of the Laplacian matrix of a graph are sometimes known as the graph's spectrum.) The spectrum of a graph with n -fold degenerate eigenvalues is commonly denoted (van Dam and Haemers 2003) or (Biggs 1993, p. 8; Buekenhout and Parker 1998).

Graph Spectrum -- from Wolfram MathWorld

Discrete Mathematics provides a common forum for significant research in many areas of discrete mathematics and combinatorics. Among the fields covered by Discrete Mathematics are graph and hypergraph theory, enumeration, coding theory, block designs, the combinatorics of partially ordered sets, extremal set theory, matroid theory, algebraic combinatorics, discrete geometry, matrices, and ...

Discrete Mathematics | ScienceDirect.com

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