Special Issue

Advances in Discrete Applied Mathematics and Graph Theory

Message from the Guest Editors

Since its origins in the 18th century, graph theory has been a branch o mathematics that is both motivated by and applied to real world problems. Research in discrete mathematics increased in the latter half of the twentieth century mainly due to development of digital computers. On the other side, the advances in technology of digital computers enables extensive application of new ideas from discrete mathematics to real-world problems. This special issue intends to promote novel examples of application of graph theory and discrete mathematics, as well as purely theoretical works with foreseen impact to applications. The editors do not intend to narrow the scope of applications, and also encourage studies in standard areas of application that may be of particular interest recently, such as discrete models in epidemiology or advanced graph theoretical models used in drug design, both in view of the current pandemy.

- Discrete Optimization
- Graph Algorithms
- Graph Theory
- Applied Mathematics and Modeling
- Operations Research

Guest Editors

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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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