Special Issue

Advances in Graph Theory

Message from the Guest Editor

Graph theory is now one of the most active branches of mathematics. In recent decades, much progress has been made in both the theoretical research and practical applications of graph theory. The goal of this Special Issue is to collect original research articles on this subject. Submissions related to all aspects of graph theory that present new results, especially on symmetric phenomena, are welcome. The topics of interest include, but are not limited to, the following:

- Structural graph theory;
- Extremal graph theory;
- Random graph theory;
- Spectral and algebraic graph theory;
- Chemical graph theory;
- Topological graph theory;
- Graph limits theory;
- Graph algorithms and complexity analysis.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2024)

About the Journal

Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

Editor-in-Chief

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