

Special Issue

Advances in Combinatorics and Graph Theory

Message from the Guest Editors

Many symmetric phenomena frequently occur in combinatorics and graph theory. This Special Issue intends to collect and disseminate new advances in combinatorics and graph theory, revealing the more regular (especially symmetric) phenomena lying within them. The scope of this Special Issue includes, but is not limited to, the following areas:

- Enumerative combinatorics;
- Combinatorial sequences;
- Discrete geometry;
- Symmetric functions;
- Posets and lattices;
- Combinatorial matrix theory;
- Random matrix theory;
- Structural graph theory;
- Random graphs;
- Extremal graph theory;
- Matroids;
- Spectral and algebraic graph theory;
- Chemical graph theory.

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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.

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