

Special Issue

Advances in Graph Theory and Symmetry/Asymmetry

Message from the Guest Editor

This Special Issue invites you to contribute your original research work and review articles on “Advances in Graph Theory and Symmetry/Asymmetry”, including the recent advances in the theoretical research of graphs and related combinatorial mathematics, with emphasis on symmetry and asymmetry aspects, as well as new research methods such as computer-assisted proof in graph theory. We hope that this Special Issue will provide the most up-to-date information on important findings and innovative tools in the research of related fields. Scope: Potential topics including, but not limited to, the following subheadings are deemed suitable for publication:

- The recent results in graph theory, combinatorial geometry, and discrete geometry;
- Review of classical results on symmetry/asymmetry/weak symmetry/local symmetry of graphs related to regular or semi-regular polyhedral, Eulerian graphs, and Hamiltonian graphs;
- Symmetry and asymmetry of graphs or extremal configurations generated in geometric optimization problems, and the classification of symmetric graphs;
- etc.

Guest Editor

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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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