

Special Issue

Research on Symmetry Applied in Graph Theory

Message from the Guest Editor

Symmetry is one of the most important (not only aesthetic) criteria that illustrate the structure and properties of graphs. Very often in graph theory, graphs are drawn symmetrically. There are various criteria for describing a graph as "symmetric" and describing such symmetric graphs has been the subject of much research. In recent years, the role of symmetry in graph theory significantly increased and has also covered such areas as metric dimension of graphs, domination theory, graph colourings resolving sets or independent sets in graphs. Potential topics of the Special Issue include but are not limited to the above areas, both from a theoretical and an applied point of view.

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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