

Special Issue

Mathematical Crystallography 2019

Message from the Guest Editor

Despite the enormous success of experimental crystallography achieved in the 20th century, the very problem of the emergence of order and symmetry in discrete structures is far from being completely understood. This Special Issue invites contributions on various mathematical aspects of modern crystallography, starting from diffraction theory and disorder and ending at deeply mathematical problems of symmetry, sphere packings, polyhedra and discrete point sets.

Guest Editor

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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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