



*symmetry*

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## Selected Papers from IIKII 2020 Conferences II

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### Message from the Guest Editors

Symmetry in language refers to a sense of harmonious and beautiful proportion and balance. In mathematics, "symmetry" has a more precise definition—that an object is invariant to any of various transformations, including reflection, rotation, or scaling. Mathematical symmetry may be observed with respect to the passage of time; as a spatial relationship; through geometric transformations; through other kinds of functional transformations; and as an aspect of abstract objects, theoretical models, and even knowledge itself. Recently, symmetry theorem and simulation have been widely applied in engineering to improve the development of new technologies...

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# Special Issue



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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.

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