

Special Issue

Hopf-Type Algebras, Lie Algebras, Quantum Groups and Related Topics

Message from the Guest Editor

Generalizations of Hopf algebras have quite a long history. Up to now, there are the following two classes. One is that such generalizations are the changing of some of the algebraic conditions that enter the definition of a Hopf algebra. We mention here but a few examples: weak Hopf algebras, quasi Hopf algebras, Hopf group-coalgebras, hom-Hopf algebras and Hopf quasigroups. These objects were related to braided monoidal categories and Yang–Baxter equation and so on. The other is that when we consider the functional algebras on an infinite group or a groupoid we had the theory of multiplier Hopf algebra or the theory of weak multiplier Hopf algebra.

Guest Editor

Prof. Dr. Shuanhong Wang

Shing-Tung Yau Center, School of Mathematics, Southeast University, Nanjing 210096, China

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Mathematics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
mathematics@mdpi.com

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

Editor-in-Chief

Prof. Dr. Francisco Chiclana

School of Computer Science and Informatics, De Montfort University,
The Gateway, Leicester LE1 9BH, UK

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