



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

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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.





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Message from the Editor-in-Chief

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