

Research directions on Hopf algebras

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Abstract

This talk is a friendly introduction to Hopf algebras, a large class of (non-commutative) algebras that are widely studied and arise in many areas of mathematics. We will discuss some recent developments and research directions on Hopf algebras. Necessary background will be explained. Advanced undergraduate and graduate students are encouraged to attend and to explore this field of mathematics.

Keywords: coalgebra, bialgebra, Hopf algebra.