INSALATE DI MATEMATICA

presents

22/05/2024
ANDREA RIVEZZI
Università di Milano-Bicocca
Quantization of Lie bialgebras

Abstract:

The aim of this talk is to give a gentle introduction to the theory of quantization of Lie bialgebras, which is a very broad topic connecting several areas of mathematics. We will present the classical objects (Lie bialgebras), the relative quantum objects (Hopf algebras), and the bridge relating them, namely quantization. We finally exhibit the example of the quantum group of the Lie algebra sl(2).

Keywords: quantization · Lie bialgebras · Hopf algebras · quantum groups

Dipartimento di Matematica e Applicazioni   U5-3014

Università degli Studi di Milano-Bicocca   04:30 pm (CET)

🖉

"Obvious" is the most dangerous word in mathematics.
(Eric Temple Bell)