

EINLADUNG
zum
MATHEMATISCHEN KOLLOQUIUM

am Mittwoch, 17.04.2019, um 16.30 Uhr im Hörsaal des Departments Mathematik/
Informatik

Es spricht

Frau Jun.-Prof. M. Jotz
(Georg-August-Universität Göttingen)

zum Thema

On Lie groupoids and their Lie algebroids

In this talk I will explain and motivate the notions of Lie groupoids and Lie algebroids, as generalisations of Lie groups and Lie algebras. I will explain how a Lie groupoid can be differentiated to a Lie algebroid, just as a Lie group is differentiated to a Lie algebra. I will describe several classes of examples of Lie groupoids versus algebroids, in particular I will explain how these objects gained importance in Poisson Geometry when Weinstein, Karasev and Zakrzewsk independently recognised that a Poisson manifold can locally be understood as the infinitesimal description of a Lie groupoid endowed with a compatible symplectic structure. If time permits, I will explain how all sort of challenges arises when passing from Lie algebras to Lie algebroids, by discussing the notion of ideal in a Lie algebroid.

Tee um 16.00 Uhr in der Bibliothek des Departments Mathematik/Informatik

Im Anschluss besteht die Möglichkeit, mit der Vortragenden über die Themen und Ziele von Hypatia zu diskutieren.

Hierzu laden herzlich ein
DIE DOZENTEN DER MATHEMATIK