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Julius-Maximilians-Universität Würzburg - Antrittsvorlesung

On 'higher' Symmetries

Dienstag, 07. März 2023 • 15:00 Uhr

Seminarraum SE41 • Forschungsbau (Emil-Fischer-Straße 41, 97074 Würzburg)

Der Vortrag wird auch Zoom-Meeting übertragen: go.uniwue.de/ifmcolloquium-zoom

Abstract. Symmetries are usually understood as the action of a group. However, many mathematical objects have a structure that we recognise as a symmetry, but which is in fact expressed by the action of a groupoid.

This talk motivates the notions of Lie groupoids and Lie algebroids, and explains why the classical notions of representations and ideals are not sufficient in this context. Ideals in Lie algebroids are then discussed, as well as some of their obstructions.