Multiplicative Ehresmann connections

Žan Grad

(KU Leuven)

Wednesday, November 19, 2025
16:00-17:00h on campus in M.G.004
Analysis & Geometry Seminar, Antwerpen

In this talk, we will look at multiplicative Ehresmann connections on Lie groupoids, which broadly generalize connections on principal bundles. Several other examples of such connections will also be discussed, as well as their curvature. Preliminarily, we will talk about Lie groupoids and Lie algebroids which are at the heart of so-called higher differential geometry. If time permits, we will also briefly discuss infinitesimal multiplicative connections on Lie algebroids.