Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

Dienstag, 06.01.2026

17 Uhr, Geom H4

Prof. Kai Cieliebak
(Universität Augsburg)

What is a gradient-like vector field?

Abstract:

For many applications, one would like to replace the notion of a gradient
vector field by the more flexible notion of a "gradient-like vector field".
However, there is no consensus on this notion and various proposals have
appeared in the literature. After reviewing some of these proposals, I will
introduce a new notion of a gradient-like vector field and discuss
its implications for the theory of Stein and Weinstein structures as well as
some open questions.

**Vor dem Vortrag (ab 16.30 Uhr) stehen im Foyer vor Hörsaal H4
Kaffee und Tee bereit**.