



Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

Dienstag, 28. April 2015

17 Uhr s.t., Geom H4

Prof. Dr. Peter Albers

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Positivity and orderability in contact geometry

Abstract:

In 2000 Eliashberg-Polterovich introduced the notion of positivity and orderability in contact geometry. First, I will carefully explain these notions on simple examples. For instance I will explain why the geodesic flow on a Riemannian manifold is always positive. After that I will discuss obstructions to non-orderability. In the example of the geodesic flow this is related to loop space homology and a generalization of the Bott-Samelson theorem.

Vor dem Vortrag (ab 16.30 Uhr) stehen im Raum 327 Kaffee und Tee bereit.