Gastvortrag

Mittwoch, 14. Dezember 2016
13.00 Uhr
HS 411

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A Möbius invariant discretization and decomposition of the Möbius energy

Abstract:

The Möbius energy, which is one of O'Hara's energy of knots, is invariant under Möbius transformations. This property plays an important role for proving the existence of minimizers in any prime knot classes.

Several discretizations of it are known, but it seems that they do not have the Möbius invariance. In this talk, I propose a discretization with the Möbius invariance. This can be decomposed into parts similar to the continuous case.

Each component of the decomposition is also Möbius invariant.
This is joint work with Simon Blatt.

Einladender: Simon Blatt