GASTVORTRAG

Das Institut für Mathematik lädt zu folgendem Vortrag ein:

Martin Tancer
Charles University, Prague

Computational aspects of combinatorial topology

The aim of this talk is to provide a brief introduction to interactions between computational complexity and (mostly combinatorial) topology. We plan to touch, for example, on algorithmic aspects of untanglings of knots or of embeddability of simplicial complexes (higher-dimensional generalization of graph planarity). We will also sketch examples where computational complexity point of view may help with understanding to a purely mathematical question(s). The talk should be mostly self-contained: I plan to explain the necessary background (such as the NP-hardness) at least on the intuitive level.

Zeit: **Montag, 18. März 2019 um 12.30 Uhr**

Ort: **Bauingenieurgebäude, Technikerstr. 13, HSB 8**

Gäste sind herzlich willkommen!

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