



Mathematisches Kolloquium

Am Freitag, dem 17. Juni 2022, spricht um 13:45 Uhr im Zimmer 024 im Max-Planck-Institut für Informatik

Prof. Dzmitry Dudko,
Stony Brook University (New York),

über das Thema:

Decidability in Dynamics via Geometrization

Abstract:

The equivalence of topological objects is often decided by introducing much more rigid geometric structures on pieces obtained by canonically decomposing the objects into smaller geometrizable components. We will discuss how geometrizations of $\dim=3$ manifolds, of surface homeomorphisms, and of branched coverings of the 2-sphere allow solving the Homeomorphism Problem for 3-manifolds, Conjugacy Problem in Mapping Class Groups, and Thurston Equivalence in Complex Dynamics. All three problems are related; our emphasis will be on the last case.

Der Gast wird von Prof. Dr. Laurent Bartholdi betreut.
Alle Interessenten und Interessentinnen sind zum Vortrag herzlich eingeladen.

Die Dozenten der Mathematik