

Gastvortrag

Donnerstag, 8. Mai 2014
16 Uhr c.t.
Seminarraum II

Professor Alexander Kharazishvili
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On some k -homogeneous coverings of Euclidean space

The talk will be concerned with certain coverings of Euclidean space by pairwise congruent geometric figures such that each point of the space belongs to precisely k many figures, k being a given natural number.

It will be shown how simply formulated questions from elementary geometry lead to delicate set-theoretical constructions based on the Axiom of Choice and the principle of transfinite induction. Some unsolved problems will be presented.