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Metric spaces with restricted geometry of finite subsets

The talk overviews the results from the speakers PhD. Which are of two types:

- (1) Two classes of metric spaces say A and B are considered. And we show that any finite subset of any element of A allows an almost isometric embedding in some space from B . The classes considered in PhD are the classes of spaces where the metric is at in some sense. Roughly speaking we show that finite subspaces are the same for all those classes.
- (2) For a metric space say X we prove certain upper bounds on Markov type constants of X . Markov type constants depend only on finite subsets of a metric space. Thus we are able to use (1) to obtain such upper bounds. As result we solve some decently interesting open problems.

SCIENTIFIC SEMINAR

“DIFFERENTIAL GEOMETRY AND APPLICATIONS”

headed by Academician of RAS Anatoly T. Fomenko

The seminar takes place online in ZOOM on Mondays
from 5:45 p.m. to 7:20 p.m. (Moscow time)

The zoom-ref is provided only to registered persons

To be registered, ask any participant of our seminar to endorse you
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