

## Institut für Diskrete Mathematik

## Joint Advanced Topics and Combinatorics Seminar

Friday 23rd May 11:00

SR 04048, Kopernikusgasse 24, 4. OG

## Euclidean Ramsey Theory

IMRE LEADER

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Euclidean Ramsey Theory is a natural multidimensional version of Ramsey Theory. A subset of Euclidean space is called Ramsey if, for any k, whenever we partition Euclidean space of sufficiently high dimension into k classes, one class must contain a congruent copy of our subset. It is still unknown which sets are Ramsey. We will discuss background on this and then proceed to some recent results. No knowledge of this or any related area will be assumed.

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