Seminar
Winter Semester 2021-22

Extremal Set Theory

This seminar is an introduction to extremal set theory - a fast-growing field of discrete mathematics that investigates questions of the following type: if we have a collection of sets satisfying certain restrictions, how large or how small can it be? For example, if any two sets in a collection of subsets of an n-element set intersect non-trivially, one can determine the largest number of sets in such a collection exactly.

The seminar will be based on selected chapters of the book "Extremal Combinatorics" by Stasys Jukna and additional literature.

Prerequisites: linear algebra
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Organisational meeting: July 23, 16:00 per Zoom
Meeting ID: 685 1738 0721
Passcode: 892670

https://kit-lecture.zoom.us/j/68517380721?pwd=Vk15enBLT3ZvdzhzLzhpNVJneGNNQT09