

Bachelor and Master Thesis Topics in Graph Theory

The Institute of Optimization and Discrete Mathematics offers various research topics in graph theory for Bachelor and Master Thesis. The aim of the research is to investigate structural, enumerative and algorithmic aspects of graphs, hypergraphs and random graphs.

Currently available research topics for Bachelor and Master thesis which will be supervised by Univ.-Prof. Mihyun Kang, Dr.rer.nat. Philipp Sprüssel and Ph.D. Oliver Cooley include

- Analytic combinatorics (Kang, Sprüssel)
- Erdős-Rényi random graphs (Cooley, Kang, Sprüssel)
- Hypergraph theory (Cooley, Kang)
- Infinite graphs (Kang, Sprüssel)
- The regularity method (Cooley, Kang)

If you are interested in writing a thesis on one of the above topics at the Institute of Optimization and Discrete Mathematics at TU Graz, please contact one of:

Ph.D. Oliver Cooley	cooley@math.tugraz.at
Univ.-Prof. Mihyun Kang	kang@math.tugraz.at
Dr.rer.nat. Philipp Sprüssel	spruessel@math.tugraz.at

<http://www.math.tugraz.at/mathb>