MATH RESEARCH PROJECTS
Technion, September 22-26, 2019

The faculty of Mathematics at the Technion is inviting motivated undergraduate students (finishing their 2nd and 3rd year*) to experience mathematical research in a week of projects

The projects will be mentored by professors, postdocs and graduate students from the Faculty of Mathematics. Each group will consist of 2-4 students working on the same research topic. In addition, the program includes social gatherings with the faculty members. Housing, meals, and a stipend will be provided.

Projects and mentors:

- Avi Berman: Expander graphs
- Nick Crawford: Fermions and spanning forests
- Victor Kolobov and Simeon Reich: Projection Methods
- Ivan Levcohvich and Alex Margolis: Quasi-isometries of trees and infinite ended spaces
- Erez Nesharim, Uri Shapira and Shucheng Yu: Linear flows in the space of lattices
- Amy Novick-Cohen: Geometric motions
- Tali Pinsky: The Lie algebra of modular knots
- Liran Rotem: The geometric mean of convex bodies
- Shoham Sabach and Shimrit Shtern: Classifying critical points of non convex quadratic functions
- Orr Shalit: Numerical explorations of open problems in operator theory

Application form and further details are available on the website: https://cms-math.net.technion.ac.il/summer-projects-2019/
The number of participants is limited. Please apply as soon as possible.

(*) Registration is also open to master students at the beginning of their studies.