DEPARTMENT OF MATHEMATICAL SCIENCES

Discrete Mathematics Seminar

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Title: Small fibered knots have nice presentations

Abstract: Knot Floer homology detects fibered knots, which means grid homology, the combinatorial analog, also does. Grid homology allows for a stronger conjecture, however, which is that all fibered knots have a grid diagram with a unique grid state of maximal Alexander grading. In this talk, we discuss finding such presentations for all fibered knots of crossing number at most 14. This talk is based on joint work with Eleanor Grutz WPI '29 and Paul Itzlinger.

Monday, November 30

1:00 – 1:50 pm

Olin Hall 218

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