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Leibniz
Universität
Hannover

Oberseminar

zur

Algebra und Algebraischen Kombinatorik

Dr. Christoph Pegel
(Leibniz Universität Hannover)

"Vertex-Maximal Lattice Polytopes Contained in 2-Simplices"

Motivated by the problem of bounding the number of rays of plane tropical curves we study the following question: Given $n \in \mathbb{N}$ and a unimodular 2-simplex Δ what is the maximal number of vertices a lattice polytope contained in $n\Delta$ can have? We determine this number for an infinite subset of \mathbb{N} by providing a family of vertex-maximal polytopes and give bounds for the other cases. This is joint work with Jan-Philipp Litza and Kirsten Schmitz.

Donnerstag, 08.11.2018
ab 14:15 Uhr, a410

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

Institut für Algebra, Zahlentheorie
und Diskrete Mathematik