Oberseminar
Zahlentheorie und Arithmetische Geometrie

Dr. Johannes Hofscheier

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"Lattice simplices of bounded degree"

In this talk we present a "moduli"-approach for the study of lattice simplices of bounded degree s. More precisely we introduce a topology on the space of lattice simplices of bounded degree and suggest a compactification of it by relating simplices to certain subgroups of the real euclidean space. Using Chabauty–Pontryagin duality we can show that these subgroups form only finitely many maximal families. We present a classification of these maximal families for the bound s=2 and conclude the talk by applying our results to the description of the h*-vectors of degree 2 lattice simplices. This is joint work with Akihiro Higashitani.

Donnerstag, 02.02.2017
ab 12:00 Uhr, g117
Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

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