

Institut f. Geometrie

Vortrag

8.5.2008, 16:00

Seminarraum 2, Institut f. Geometrie

Lattice discretization of trigonometric functions

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In this talk we discuss some properties of lattice trigonometric functions of angles in lattice geometry. We introduce a necessary and sufficient condition for three angles to be the angles of some lattice triangle in terms of lattice tangents. This condition is a version of the Euclidean condition: three angles are the angles of some triangle iff their sum equals π . We say also a few words about connections with theory of complex projective toric singular varieties.

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