Institut für Diskrete Mathematik

Mathematisches Kolloquium

Friday 22nd Novemeber 13:45-14:30

HS BE01, Steyrergasse 30, EG

Equiangular lines in Euclidean spaces

Benny Sudakov

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A family of lines through the origin in Euclidean space $\mathbb{R}^n$ is called equiangular if any pair of lines defines the same angle. In this talk we discuss recent progress on the longstanding open problem: what is the maximum number of such lines one can have with a fixed angle theta?

Oliver Cooley, Joshua Erde, Mihyun Kang