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Zilin Jiang, Jonathan Tidor, Yuan Yao, Shengtong Zhang and Yufei Zhao*
(yufeiz@mit.edu). *Equiangular lines and spectral graph theory.*

Equiangular lines are configurations of lines all passing through the origin and pairwise making the same angle. What is the maximum number of such equiangular lines in a given dimension? I will tell you what we know about the problem, some recent developments, and why it is connected to spectral graph theory. (Received September 01, 2020)