

1154-52-1644

Dustin G. Mixon and **Hans Parshall*** (parshall.6@osu.edu). *Optimal packings in real projective spaces.*

An optimal (real) projective packing is a set of n unit vectors in \mathbf{R}^d with minimal coherence. We will discuss recent proofs of optimality of several projective packings using ideas from combinatorics, convex optimization, and real algebraic geometry. (Received September 16, 2019)