
DUSTIN G. MIXON, The Ohio State University, Columbus, USA

Uniquely optimal codes of low complexity are symmetric

Consider the problem of arranging a given number of points in a compact metric space so that the minimum distance is maximized. Strikingly, solutions to this coding problem often exhibit some degree of symmetry. In this talk, we introduce a large family of spaces in which optimality implies symmetry, and we pose various open problems. Joint work with Chris Cox, Emily King, and Hans Parshall.