

Regular and Chiral Polyhedra, Polytopes and Beyond

Asia Ivić Weiss, York University, Toronto, Canada

Abstract

In this talk we summarize the classification of regular and chiral polyhedra and polytopes and extend the concept to that of hypertope: a thin, residually connected incidence geometry. We present the characterization of the automorphism groups of regular hypertopes and overview recent results on classification of toroidal hypertopes.