
NING ZHANG, Kent State University

A solution to the problem of bodies with congruent sections or projections

In this talk, we will construct two convex bodies K and L , such that their projections $K|H$, $L|H$ onto every subspace H are congruent, but nevertheless, K and L do not coincide up to a translation or a reflection in the origin. This gives a negative answer to an old conjecture posed by Nakajima and Süss.