

Tapas Seminar — May 20, 2010

Speaker: Egon Schulte

Title: Euclidean Reflection Groups

Abstract

Historically, reflection groups made their first appearance as the symmetry groups of the regular figures in Euclidean space. Since then, they have surfaced in many areas of mathematics. We describe basic properties of finite or infinite discrete reflection groups in Euclidean spaces: their fundamental regions, their Coxeter type presentations, their Coxeter diagrams, and their classification.