"Jacques Herbrand would have hated Bourbaki."

— Claude Chevalley

The Trivial Notions Seminar
Proudly Announces

BCGRS II – Baby Coxeter Groups and Root Systems II

A talk by

Jerry Wang

Abstract

A Coxeter group is defineds as an abstract group generated by elements of order 2 by specifying the orders of pairwise products. These groups play important roles in several branches of mathematics, such as group theory, the theory of polytopes, crystallography, graph theory, Lie groups, and the theory of buildings. J. Tits, who initiated the systematic study of such abstract groups, coined the name based on the pioneering work of Donald Coxter.

The above has been shamelessly copied from a past Trivial Notion abstract, which was shamelessly copied from

`http://www.ams.org/notices/200310/fea-coxeter.pdf`.

The goal of this talk is to give a survey of finite irreducible Coxeter groups and discuss some of their combinatorial invariants, namely their characteristic degrees and the factorization of their Poincaré polynomials.

Thursday November 10^{th}, at 11:30 am
Science Center 309