HONOURS SEMINAR

Michael Malagride

Finite Subgroups of SO(3)

Thursday, April 12, 2018
3:30 p.m.
Mathematics and Statistics Lounge
CW307.20

Abstract:

Using a counting argument of on orbits and stabilizers. We see that the only possible finite subgroups of SO(3) that we can have are isomorphic to either a Cyclic group, a Dihedral group or the symmetry group of one of 5 regular solids. We will utilize theory such as the Orbit-Stabilizer Theorem and the hammer of the entire argument; Burnsides Lemma.

University of Regina

Mathematics and Statistics