

Title: The Chebotarev invariant of a finite group

Abstract: A well-developed branch of finite group theory compares different invariants in certain classes of finite groups. For example, one may study the composition length/order/minimal number of generators etc. of certain classes of permutation groups, in terms of their degree. In this talk, we will study some invariants associated to the minimal, random and invariable generation of finite groups. In particular, we will define and discuss the Chebotarev invariant, paying particular attention to its motivation, which comes from Galois theory.