

Colin Reid: *The Generalised Fitting Subgroup of a Profinite Group*

The generalised Fitting subgroup of a finite group is the group generated by all subnormal subgroups which are either nilpotent or quasisimple. Its importance in finite group theory stems from the fact that in any finite group, the generalised Fitting subgroup contains its own centraliser. In this talk I will be discussing a generalisation of these concepts to profinite groups. The key difference from the finite case is that an infinite profinite group may have trivial generalised Fitting subgroup; this fact leads to some questions which are trivial in the finite case but become interesting in the more general profinite case.