THE DEPARTMENT OF MATHEMATICS

$\mathfrak{F}_P(P) = \mathfrak{F}_P(G) \quad P \in \mathrm{Syl}_p(G) \quad N = N_G(Z(J(P))),\ \mathfrak{F}_P(N) = \mathfrak{F}_P(G)$

Algebra Seminar

Monday – March 18, 2019

at 4pm, in the Alavi Commons, Everett Tower

Fusion and Transfer in Profinite Groups

Mohammad Ali Salameh Shatnawi
The Department of Mathematics
Western Michigan University

In this talk, I will cover the first four sections of the paper "Fusion in profinite groups" by Gilotti , Ribes, and Serena. Also, I will prove a profinite version of the Focal subgroup theorem of Donald Higman and a profinite version of a theorem of Grün. All are welcomed.

$1 \to C \to G \to G/C \to 1 \quad P \in \mathrm{Syl}_p(G/C) \quad 1 \to C \to G \to G/C \to 1$

WESTERN MICHIGAN UNIVERSITY