THE DEPARTMENT OF MATHEMATICS

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

Algebra Seminar

Monday - October 16, 2017

at 4pm, in the Alavi Commons, Everett Tower

Mr. Mohammad A. Shatnawi
The Department of Mathematics
Western Michigan University

The beginnings of Fusion; Burnside's normal p-complement Theorem and Don Higman's Focal subgroup Theorem

In this talk, we will apply the transfer map to prove Burnside's normal p-complement theorem. Also, after proving some technical transfer lemmas, a sketch of Don Higman's Focal subgroup theorem will be given, The presentation will be motivated by the treatment of Die Verlagerung in Marshall Hall Jr's text ***Group Theory***.

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