THE DEPARTMENT OF MATHEMATICS

$\mathfrak{F}_P(P) = \mathfrak{F}_P(G)$ $P \in Syl_p(G)$ $N = N_G(Z(J(P)))$, $\mathfrak{F}_P(N) = \mathfrak{F}_P(G)$

Algebra Seminar

Monday - September 18, 2018

at 4pm, in the Alavi Commons, Everett Tower

tdlc groups, tdc groups, & tidy groups

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In this talk, we will recall fusion systems of groups. Next, let G be a locally compact group and C the connected component of the identity then C is a characteristic subgroup of G and the sequence

$$1 \to C \to G \to G/C \qquad (*)$$

is exact and G/C is a totally disconnected locally compact group, i.e., a **tdlc group**! We will look briefly at tdlc groups introducing the tidy groups of G. Willis. To flesh out an introduction to tdlc groups go to:
http://www.birs.ca/events/2016/5-day-workshops/16w5087/videos
and view the relevant videos. All are welcomed.

$1 \to C \to G \to G/C \to 1$ $P \in Syl_p(G/C)$ $1 \to C \to G \to G/C \to 1$

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