

Meeting: 1001, Evanston, Illinois, SS 20A, Special Session on Representation Theory of Reductive Groups

1001-22-63 **Jonathan Korman*** (jkorman@math.toronto.edu), Department of Mathematics, Univ. of Toronto, Toronto, Ontario M5S 3G3, Canada. *On the local constancy of characters*. Preliminary report.

The character is known to be a constant function in some neighbourhood of any regular semisimple element γ in G . Under certain mild restrictions on γ , we characterize explicitly, using Moy-Prasad filtrations, a neighbourhood of γ on which the character is constant. (Received August 03, 2004)