

1030-22-221

**Loren Spice\***, 530 Church St, 2074 East Hall, Ann Arbor, MI 48109-1043. *Characters of tame  $p$ -adic groups.*

Yu generalised a construction of Corwin and Howe for division algebras to produce many supercuspidal representations of tame  $p$ -adic groups. In this talk, we will describe how to use the Harish-Chandra integral formula to compute the characters of these representations under certain compactness conditions. In particular, all characters can be computed for “tame” division algebras (those of index coprime to  $p$ ). This is joint work with Jeff Adler. (Received August 03, 2007)