

Meeting: 1004, Bowling Green, Kentucky, SS 15A, Special Session on Recent Advances in Noncommutative Algebra

1004-16-63

Rui Bin Zhang and **Yi Ming Zou*** (ymzou@uwm.edu), Yi Ming Zou, Dept of Math, U. of Wisconsin, PO Box 413, Milwaukee, WI 53201. *Spherical functions on homogeneous superspaces.*

Homogeneous superspaces arising from the general linear supergroup are studied within a Hopf algebraic framework. The superalgebras of spherical functions on certain classes of homogeneous superspaces are described explicitly. (Received January 14, 2005)