Meeting: 1004, Bowling Green, Kentucky, SS 10A, Special Session on Hopf Algebras and Related Topics

1004-16-271 **Fernando J. O. Souza*** (`fernando-souza@uiowa.edu`), Department of Mathematics, 14 MLH, University of Iowa, Iowa City, IA 52242-1419. *Applications of graphical calculi to Hopf superalgebras.* Preliminary report.

We investigate what kind of information on integrals, traces, and R-matrices for Hopf superalgebras we can produce via the application of diagrammatic techniques developed for Hopf-algebra objects in categories with additional structure. (Received January 26, 2005)