

Meeting: 1001, Evanston, Illinois, SS 24A, Special Session on Hopf Algebras at the Crossroads of Algebra, Category Theory, and Topology

1001-16-399 **Yevgenia Kashina*** (ykashina@condor.depaul.edu), Department of Mathematical Sciences, DePaul University, Chicago, IL 60614. *Groups of grouplikes of a semisimple Hopf algebra and its dual.* Preliminary report.

One of the mysteries in the classification theory of Hopf algebras is how the group of grouplike elements of a Hopf algebra is connected to the group of grouplikes of its dual. In this talk we will discuss this question, mainly in the case of dimension 2^n . (Received August 31, 2004)