1004-16-258 **Yevgenia Kashina*** (`ykashina@condor.depaul.edu`), Department of Mathematical Sciences, DePaul University, Chicago, IL 60614. *Semisimple Hopf algebras of dimension 2^n and their groups of grouplikes.* Preliminary report.

One of the mysteries in the theory of semisimple Hopf algebras is how the group of grouplike elements of a Hopf algebra is connected to the group of grouplikes of its dual. This question is closely related to the problem of classifying semisimple Hopf algebras. In this talk we will discuss this question, mainly in the case of dimension 2^n. (Received January 25, 2005)