Koszul Duality Seminar

Organizer(s): Constantin Teleman and George Melvin

Thursday, 2.10-3pm, 736 Evans

Nov. 21 **Eric Peterson**, UC Berkeley
Operadic Koszul Duality I

The goal of this talk is to describe a more general categorical framework in which Koszul duality can be realized: that of co/operads. This has the aesthetic appeal of teasing out which hypotheses encountered by the algebraists in their study of Koszul duality phenomena are necessary to make some individual theorems tick, thereby clarifying the picture. We will end by collapsing our general constructions to a nice algebraic case, and in particular show the promised Koszul comparison between commutative algebras and Lie algebras.

More information can be found at http://math.berkeley.edu/∼gmelvin/kd/kdf13.html