

Julie Bergner, University of California at Riverside

Title: Homotopy algebraic structures

Abstract: Various algebraic structures, such as monoids, groups, categories, and operads, can be understood in terms of diagrams. Often, encoding these structures can be achieved by imposing Segal-type conditions to obtain the correct operations, and in this talk will look at several examples. In particular, we will look at strict versus homotopy structures and how to incorporate actions of groups on a given structure.

---