1093-55-51 **Julia Bergner*** (jbergner@ucr.edu) and **Marcy Robertson**. *Topological cluster categories.*

From an algebraic point of view, cluster categories can be defined to be orbit categories of certain triangulated categories by a self-equivalence, or from a more homotopical perspective as the orbit category of a dg category. Instead of working with algebraic triangulated categories, we consider instead cluster categories arising as orbit categories of topological triangulated categories, or those arising as the homotopy category of a stable model category or more general stable $(\infty, 1)$-category. While this theory is compatible with the algebraic one, it allows for new topologically flavored examples. (Received July 16, 2013)