

1077-55-2269

Samuel Baruch Isaacson* (isaacson@math.utexas.edu), Department of Mathematics, 1 University Station C1200, University of Texas at Austin, Austin, TX 78712. *Dendroidal sets and symmetric monoidal infinity categories*. Preliminary report.

Moerdijk, Berger, and Cisinski have developed several homotopy theories of ∞ -operads based upon the combinatorics of “dendroidal sets.” Their work generalizes many of the homotopy theories of $(\infty, 1)$ -categories and is combinatorially attractive. In my talk I’ll discuss some progress on analogues of some 1-categorical notions in the dendroidal world. (Received September 22, 2011)