Meeting: 1001, Evanston, Illinois, SS 13A, Special Session on Algebraic Topology: Interactions with Representation Theory and Algebraic Geometry

1001-55-284 **J. P. May*** (may@math.uchicago.edu), Department of Mathematics, The University of Chicago, Chicago, IL 60637. *A report on weak n-categories.*

I will give a brief introduction to the state of the art in n-category theory, describing heuristically the different current approaches and how they might be compared. (Received August 29, 2004)