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Denis R. Hirschfeldt* (drh@math.uchicago.edu), Department of Mathematics, The University of Chicago, 5734 S. University Ave., Chicago, IL 60637. *The reverse mathematics of homogeneous models.*

I will discuss results on the reverse mathematical and computability theoretic analysis of basic model theoretic principles involving homogeneous models, in particular recent work with Lange and Shore. (Received December 13, 2011)