Universality in spin glasses: A Monte Carlo study HELMUT G. KATZGRABER, MATHIAS KOERNER, Theoretische Physik, ETH Zurich, A. PETER YOUNG, Physics Department, University of California Santa Cruz — We study universality in three-dimensional Ising spin glasses by large-scale Monte Carlo simulations of the Edwards-Anderson Ising spin glass for several choices of bond distributions, with particular emphasis on Gaussian and bimodal interactions. A finite-size scaling analysis suggests that three-dimensional Ising spin glasses obey universality. Results in two space dimensions are briefly discussed.

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