

SIMULATIONS OF CORE COLLAPSE SUPERNOVAE IN ONE AND TWO DIMENSIONS USING MULTIGROUP NEUTRINO TRANSPORT¹

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In one dimension, results are presented from comparisons of stationary-state, multi-group, flux-limited diffusion and Boltzmann neutrino transport, focusing on quantities central to the postbounce shock reheating. In two dimensions, we present results from simulations that couple one-dimensional, multigroup, flux-limited diffusion to two-dimensional (PPM) hydrodynamics.

¹Abstract of published paper: p. 714 in *Proceedings of 18th Texas Symposium on Relativistic Astrophysics and Cosmology, Chicago, Illinois, December 15–20, 1996* (World Scientific Publishing Co., Singapore, 1998).