Abstract Submitted for the SHOCK05 Meeting of The American Physical Society

Simulation of Shock Fronts J. MATTHEW D. LANE, MICHAEL P. MARDER, University of Texas at Austin — We study the deformation and transitions at the shock front using a moving window technique. We demonstrate the technique using model systems, and apply it to realistic material potentials to efficiently study the shock melting of tin.

J. Matthew D. Lane University of Texas at Austin

Date submitted: 08 Apr 2005 Electronic form version 1.4