About the Cover:

The cover photo shows Patrick McKenty, scientist at the Laboratory for Laser Energetics, viewing an image of the calculated density distribution from a two-dimensional hydrodynamics computer simulation of an imploding laser fusion pellet. Seen in the background is the COMPAQ Alpha multiprocessor computer used to perform the simulations. The article entitled “Analysis of a Direct-Drive Ignition Capsule Designed for the National Ignition Facility” (p. 181) describes the details of these model calculations.

This report was prepared as an account of work conducted by the Laboratory for Laser Energetics and sponsored by New York State Energy Research and Development Authority, the University of Rochester, the U.S. Department of Energy, and other agencies. Neither the above named sponsors nor any of their employees makes any warranty, expressed or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, mark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof or any other sponsor. Results reported in the LLE Review should not be taken as necessarily final results as they represent active research. The views and opinions of authors expressed herein do not necessarily state or reflect those of any of the above sponsoring entities.

The work described in this volume includes current research at the Laboratory for Laser Energetics, which is supported by New York State Energy Research and Development Authority, the University of Rochester, the U.S. Department of Energy Office of Inertial Confinement Fusion under Cooperative Agreement No. DE-FC03-92SF19460, and other agencies.

For questions or comments, contact Frederic J. Marshall, Editor, Laboratory for Laser Energetics, 250 East River Road, Rochester, NY 14623-1299, (716) 275-2279.

Worldwide-Web Home Page: http://www.lle.rochester.edu/