

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.



The high-speed computing facilities shown at left are used to accomplish one- and two-dimensional hydrocode simulations at LLE. From foreground (right) to background (left) are an SGI Origin 2000 multiprocessor computer, a COMPAQ Alpha multiprocessor computer, and an IBM tape-backup system.

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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.

Printed in the United States of America
Available from
National Technical Information Services
U.S. Department of Commerce
5285 Port Royal Road
Springfield, VA 22161

Price codes: Printed Copy A04
Microfiche A01

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