

Enhanced Collaboration

Modeling and process simulation

Optimum Design for Hydrotest Casting: The multi-physics code Truchas, developed under the ASC Telluride project, was used to simulate the performance of several mold designs for casting a hydro test part. This saved time and money.

Customer: Testworks Program (part of an Enhanced Collaboration with the UK Atomic Weapons Establishment on radiation cases)

Materials Science and Technology Division Facility Focus Summer 2007

<http://www.lanl.gov/orgs/mst/files/facilities/LALP-07-054.pdf>

Radiation cases, or part of them, have been tested in the LANL hydrodynamic facility, PHERMEX. This is to test how they respond to the detonation of the primary.