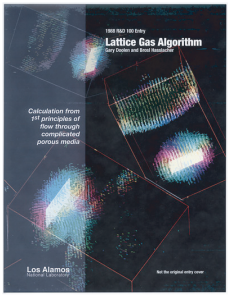
Theoretical Division R&D 100 Awards



1988 Lattice Gas Algorithm
Gary Doolen and Brosl Hasslacher

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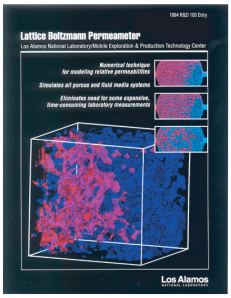

1994 Lattice Boltzmann Permeameter
Los Alamos National Laboratory
Mobile Exploration and Production Center

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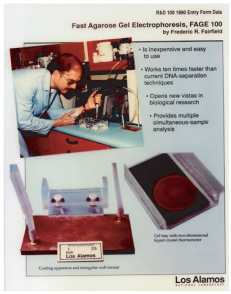

1990 Fast Agarose Gel Electrophoresis, FAGE 100
Frederic R. Fairfield

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1999 REED-MD: A Computer Code for Predicting Dopant Density Profiles in Semiconductor Waters
Keith M. Beardmore and Niels Groenbech-Jensen

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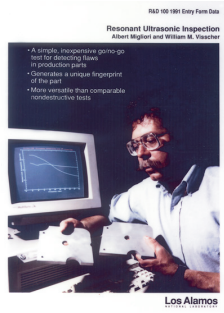

1991 Resonant Ultrasonic Inspection
Albert Migliori and William M. Visscher

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2003 A Physics-Based Wildfire Model
Joint Entry

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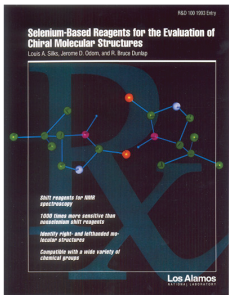

1993 Selenium-Based Reagents for the Evaluation of Chiral Molecular Structures
Louis A. Silks, Jerome D. Odom, and Bruce Dunlap

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2003 Green Destiny Super-Efficient Supercomputing
Wu-Chun Feng, Mike Warren, Eric Weigle, and Radiant Team

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1993 Phase-Sensitive Flow Cytometer
John A. Steinkamp and Harry A. Crissman

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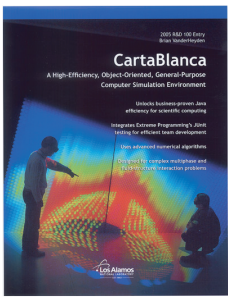

2005 CartaBlanca
Brian Vanderheyden

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