

McMaster University





University of Waterloo

THE FIELDS INSTITUTE FOR RESEARCH IN MATHEMATICAL SCIENCES

GENERAL SEMINAR SERIES IN DYNAMICAL SYSTEMS

SPEAKER:

KAREN DIEMER The Fields Institute

On the Topic:

"Lattice Gas Hydrodynamics for One and Two Phase Flows"

Lattice Gas Cellular Automata techniques for modelling the Navier-Stokes equation will be presented. Comparisons with finite difference, analytical and experimental results for certain geometries will be discussed. Applications to two-phase flow and flow through porous media will be shown.

Thursday, April 15, 1993

(Post-poned from April 1, 1993)

1:30 pm, room 3018

at

The Fields Institute

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