Announcement for Short Course

on

AN INTRODUCTION TO APPLIED NONLINEAR DYNAMICS—BIFURCATIONS, FRACTALS AND CHAOS IN HEAT TRANSFER AND FLUID FLOW

Zurich, 27–28 March 1995

hosted by the
Swiss Federal Institute of Technology (ETH)
in Zurich, Switzerland

The intention of this course is to give practicing engineers and researchers a working knowledge of recent advances in nonlinear dynamics, including: static and dynamic bifurcations, fractals and chaos theory. While the theory of nonlinear dynamics is generic and has many practical applications, the examples will stress heat transfer and fluid flow problems.

This course does not assume that the participants have any prior knowledge of nonlinear dynamics. It will be taught by Professors R. T. Lahey Jr (Rensselaer Polytechnic Institute) and J. J. Dorning (University of Virginia), who are specialists in the field.

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