MINI-CONFERENCE Path Following and Boundary Value Problems: A Continuing Influence in Dynamics on the occasion of Eusebius Doedel's 60th birthday July 6–7, 2007

The dynamics of coupled oscillators

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Abstract

This will be a wide-ranging overview of the dynamics of coupled oscillators, both Hamiltonian and dissipative. We will discuss the role of different modes of coupling on the global dynamics and illustrate with several examples how AUTO has led to important insights into the dynamics.

Joint work with Don Aronson (University of Minnesota) and Eusebius Doedel (Concordia University).