



COMPUTATIONAL MODELLING OF BIFURCATIONS AND INSTABILITIES IN FLUID DYNAMICS COMPUTATIONAL METHODS IN APPLIED SCIENCES



COMPUTATIONAL MODELLING OF BIFURCATIONS PDF



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SADDLE-NODE BIFURCATION - WIKIPEDIA









computational modelling of bifurcations pdf

This paper presents an overview of the methods and some numerical experiments about the modelling of knitted and braided structures, produced from multifilament yarns.

Yordan Kyosev | Hochschule Niederrhein - Academia.edu

In the mathematical area of bifurcation theory a saddle-node bifurcation, tangential bifurcation or fold bifurcation is a local bifurcation in which two fixed points (or equilibria) of a dynamical system collide and annihilate each other. The term 'saddle-node bifurcation' is most often used in reference to continuous dynamical systems. In discrete dynamical systems, the same bifurcation is ...

Saddle-node bifurcation - Wikipedia

Mathematical and theoretical biology is a branch of biology which employs theoretical analysis, mathematical models and abstractions of the living organisms to investigate the principles that govern the structure, development and behavior of the systems, as opposed to experimental biology which deals with the conduction of experiments to prove and validate the scientific theories.

Mathematical and theoretical biology - Wikipedia

River Engineering John Fenton Institute of Hydraulic and Water Resources Engineering Vienna University of Technology June 20, 2011. Unfortunately only Chapters 1-3 are present.

River Engineering - JohnDFenton

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Professor Neil W Bressloff - University of Southampton

Description of the non-equilibrium effects in reactive gas mixtures constitutes a grand challenge in physical-chemical gas-dynamics. Such processes are of great interest for the fields such as plasma physics, aerospace engineering, astrophysics, chemical engineering, etc.

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| DOI . 2008. Azhmyakov, V. and J. Raisch: Convex Control Systems and Convex Optimal Control Problems With Constraints. In: IEEE Trans. on Automatic Control, 53, 4, pp ...

Jörg Raisch - Fachgebiet Regelungssysteme TU Berlin

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