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Journal of Computational and Applied Mathematics

Abstract: We study the Turing-Hopf bifurcation and give a simple and explicit calculation formula of the normal forms for a general two-components system of reaction-diffusion equation with time delays.

American Institute of Mathematical Sciences

Applied Mathematics and Computation addresses work at the interface between applied mathematics, numerical computation, and applications of systems...

Applied Mathematics and Computation - Journal - Elsevier

Contents I. Introduction 5 II. The Kuramoto model 8 A. Stationary synchronization for mean-field coupling 9 B. Stability of solutions and open problems 13

The Kuramoto model: a simple paradigm for synchronization

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

Complexity characterises the behaviour of a system or model whose components interact in multiple ways and follow local rules, meaning there is no reasonable higher instruction to define the various possible interactions.. The term is generally used to characterize something with many parts where those parts interact with each other in multiple ways, culminating in a higher order of emergence ...

Complexity - Wikipedia

The Math Forum has a rich history as an online hub for the mathematics education community. A debt of gratitude is owed to the dedicated staff who created and maintained the top math education content and community forums that made up the Math Forum since its inception.

The Math Forum - National Council of Teachers of Mathematics

The Japan Society of Fluid Mechanics (JSFM) originated from a voluntary party of researchers working on fluid mechanics in 1968. The objectives of the society were to discuss about scientific and engineering problems relevant to fluid motion among researchers working in Physics, Engineering and the interdisciplinary fields and to assist in their research activities.

Fluid Dynamics Research - IOPscience

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Linear, Nonlinear, Ordinary, Partial - SGO

Uncertainty Theory Online (<http://orsc.edu.cn/online>) Editor: Mr. Waichon Lio Email: liaowj18@mails.tsinghua.edu.cn Uncertainty theory is a branch of axiomatic ...

Uncertainty Theory Online - orsc.edu.cn

RESEARCH ARTICLES Enhancement of Critical Parameters of Natural Ester Liquids Using SiO₂ Insulating Nanoparticle M. Srinivasan, U. S. Ragupathy, and A. Raymon J. Comput. Theor.

American Scientific Publishers - Journal of Computational

The top problems with evolution explained using scientific evidence against evolution. In the creation evolution controversy, it is clear not only that the theory of evolution is wrong, the theory of evolution is false, but that the theory of evolution is a lie.

Debunking Evolution - Scientific evidence against

Image: Front matter. Abstract: - There too, I have a comparison, because I like to work with comparisons. I would say that this is a little bit the problem of painting at the time of ChassÃ©riaux or Ingres, and of impressionist painting.

Research - Jerome Hoepffner - Jussieu

Topical Software. This page indexes add-on software and other resources relevant to SciPy, categorized by scientific discipline or computational topic.

Topical Software " SciPy.org

Electrical Engineering and Computer Science (EECS) spans a spectrum of topics from (i) materials, devices, circuits, and processors through (ii) control, signal processing, and systems analysis to (iii) software, computation, computer systems, and networking.

Department of Electrical Engineering and Computer Science

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The over-arching presumption in modern science and philosophy is that consciousness emerges from complex synaptic computation in networks of brain neurons acting as fundamental information units.

Consciousness in the universe: A review of the "Orch OR

A newly released study, produced with help from eight universities, found some good news. Between 1993 and 2009, the global impact of human activities on the terrestrial environment is expanding more slowly than the rates of economic and/or population growth.

WOA! - Sustainability, Resource Depletion

The President of the European Academy of Sciences, Alain Tressaud and its Presidium invite you to the reception, organized on April 13th, 2018, at 11.30 a.m, to be held at the Fondation Universitaire in Brussels, for the occasion of the taking office of the new President Rodrigo Martins and the new Heads of Divisions and Officers.

Eurasc - News

by Judith Curry. A few things that caught my eye this past week. The coming revolution in numerical weather prediction [Dessler, Mauritsen and Stevens: The influence of internal variability on Earth's energy balance framework and implications for estimating climate sensitivity [Reduction in global area burned and wildfire emissions since 1930s enhances carbon uptake by land [

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