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Chaotic Phenomena in Astrophysics and Cosmology

arXiv:astro-ph/0410258v1 11 Oct 2004 CHAOTIC PHENOMENA IN ASTROPHYSICS AND COSMOLOGY V.G.GURZADYAN ICRA, Department of Physics, University of Rome "La Sapienza", 00185 Rome,

CHAOTIC PHENOMENA IN ASTROPHYSICS AND - CiteSeerX

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Edited by Vahe G Gurzadyan (Yerevan Physics Institute, Armenia), Robert T Jantzen (Villanova University, USA), & Remo Ruffini (University of Rome "La Sapienza", Italy) . Published by World Scientific Publishing Co. Pte. Ltd., 2002.

Chaotic Phenomena in Astrophysics and Cosmology

"The papers in this volume were presented at a workshop entitled Chaotic phenomena in astrophysics, which was held at the University of Florida at Gainesville, on October 9-10, 1986 ... [and] constituted the proceedings of the Second Florida Workshop in Nonlinear Astronomy"--Page v.

Chaotic phenomena in astrophysics (Book, 1987) [WorldCat.org]

Abstract: Chaos as typical property of non-linear systems has revealed its crucial role in various problems of astrophysics and cosmology. The problems discussed at these lectures include planetary dynamics, galactic dynamics, reconstruction of the substructure of clusters of galaxies, instability in Wheeler-DeWitt superspace.

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Chaotic Pulsations in Irregular Variables | SpringerLink

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Chaotic phenomena in the interaction of vortex rings

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Simple models of complex chaotic systems - Sprott's Gateway

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AA(ICRA, Department of Physics, University of Rome "La Sapienza", Rome, Italy; Department of Theoretical Physics, Yerevan Physics Institute, Yerevan, Armenia) Publication: COSMOLOGY AND GRAVITATION: Xth Brazilian School of Cosmology and Gravitation; 25th Anniversary (1977-2002).

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The remaining space is occupied by chaotic particle paths: here stagnation points may occur and, when they do, they are connected by a web of heteroclinic streamlines. When one of the parameters A , B or C vanishes the flow is integrable.

Chaotic streamlines in the ABC flows | Journal of Fluid

CHAOTIC PHENOMENA 699 Equation (3) was introduced by Guckenheimer et al. (1977) to give a simplified description of the dynamics of Leslie parasite-host systems, and equation (4) by Henon (1976) to simulate a Poincare return mapping, which we shall discuss later, in the now famous Lorenz equations.

Chaotic phenomena - ScienceDirect

A conference on "Chaotic phenomena in nuclear physics" will take place in Aghia Pelaghia, Crete, Greece, from 28 September to 3 October 1996. The conference is being organized by the European Science Foundation, in association with the European Physical Society.

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Is type 1 diabetes a chaotic phenomenon? - matjazperc.com

Elements of Astrophysics Nick Kaiser April 21, 2002. 2 Preface These are the notes that have grown out of a introductory graduate course I have given for the past few years at the IfA. They are meant to be a â€œprimerâ€™™ for students embarking on a Ph.D. in astronomy. The level is somewhat shallower than standard textbook courses, but quite a broad

Elements of Astrophysics - Institute for Astronomy

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Turbulence - Wikipedia

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1 Introduction to Deterministic Chaos Branislav K. Nikolić Department of Physics and Astronomy, University of Delaware, U.S.A. PHYS 460/660: Computational Methods of Physics

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