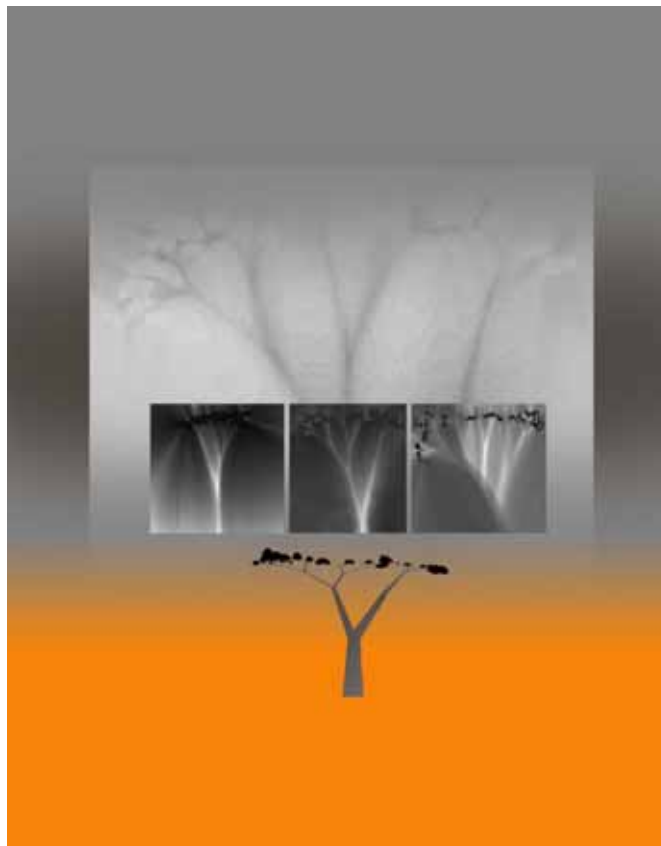


January 2006
Volume 10, Number 1
NDPLS 10(1) 1-158 (2006)
ISSN 1090-0578
<http://www.societyforchaostheory.org/ndpls/>

Nonlinear Dynamics, Psychology, and Life Sciences



Published by the Society for Chaos Theory in Psychology & Life Sciences

Nonlinear Dynamics, Psychology, and Life Sciences

January 2006 Volume 10, Number 1

CONTENTS

Chaotic Dynamics in Simple Neuronal Systems: Theory and Applications <i>L. Andrey</i>	1
Nonlinear Dynamical Behavior of Surface Electromyographical Signals of Biceps Muscle Under Two Simulated Static Work Postures <i>David Rodrick and Waldemar Karwowski</i>	21
The Nonlinear Dynamical Hypothesis in Science Education Problem Solving: A Catastrophe Theory Model <i>Dimitrios Stamovlasis</i>	37
Nonlinear Pedagogy: A Constraints-Led Framework for Understanding Emergence of Game Play and Movement Skills <i>Jia Yi Chow, Keith Davids, Chris Button, Rick Shuttleworth, Ian Renshaw, and Duarte Araújo</i>	71
Fractal Analysis of Mesoamerican Pyramids <i>Gerardo Burkle-Elizondo and Ricardo David Valderrama-Cepeda</i>	105
The Chaos and Complexity of Classic Hollywood Cinema <i>Michael Patrick Gillespie</i>	123
Cover Images: Visual Structure in Japanese Dry Rock Gardens <i>Gert J. van Tonder</i>	143
REVIEWS	
Time and Memory: An Interdisciplinary Conference on Time <i>Reviewed by Gus Koehler</i>	147
Special Issue: Advances in the Process and Dynamic System of Social Interaction and the Development of Antisocial Behavior <i>Reviewed by David Pincus</i>	153