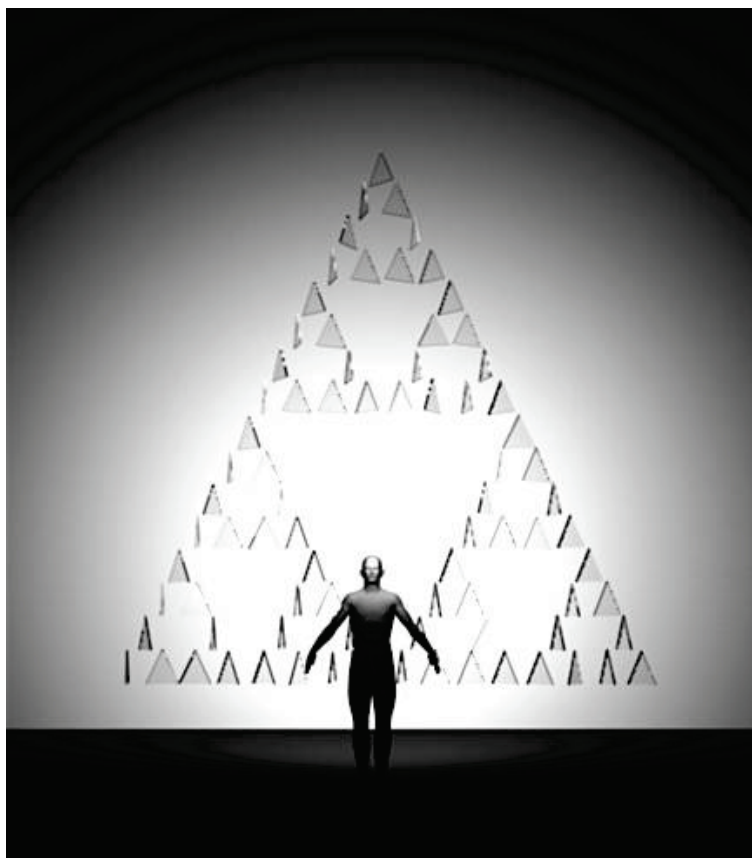


January, 2014
Volume 18, Number 1
NDPLS 18(1) 1-122 (2014)
ISSN 1090-0578
<http://www.societyforchaostheory.org/ndpls/>

Nonlinear Dynamics, Psychology, and Life Sciences



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

Nonlinear Dynamics, Psychology, and Life Sciences

January 2014, Volume 18, Number 1

Special Issue: Nonlinear Dynamics in Education

CONTENTS

Editorial Introduction: Education is a Dynamical System <i>Dimitrios Stamovlasis and Matthijs Koopmans, Guest Editors</i>	1
Nonlinear Change and the Black Box Problem in Educational Research <i>Matthijs Koopmans</i>	5
A Nonlinear Dynamical Systems Approach to Real-Time Teacher Behavior: Differences between Teachers <i>Helena J. M. Pennings, Mieke Brekelmans, Theo Wubbels, Anna C. van der Want, Luce C. A. Claessens, and Jan van Tartwijk</i>	23
An Adaptive Process Model of Motor Learning: Insights for the Teaching of Motor Skills <i>Go Tani, Umberto Cesar Corrêa, Luciano Basso, Rodolfo Novellino Benda, Herbert Ugrinowitsch, and Koji Choshi</i>	47
Ought-Approach versus Ought-Avoidance: Nonlinear Effects on Arousal under Achievement Situations <i>Dimitrios Stamovlasis and Georgios D. Sideridis</i>	67
A Dynamic Nonlinear Model for Educational Systems: A Simulation Study for Primary Education <i>Porfirio Guevara, Luis López, Alfred Posch, and Roy Zúñiga</i>	91
The Fractal Clock: Using Chaos to Bridge the Art-Science Divide <i>R. Downing and R. P. Taylor</i>	109

Cover art: "The Fractal Clock" by R. Downing