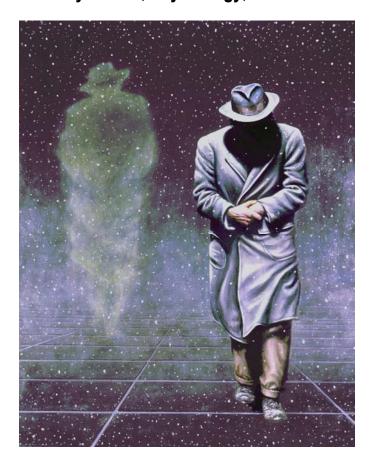
July 2007 Volume 11, Number 3 NDPLS 11(3) 293-400 (2007) ISSN 1090-0578 http://www.societyforchaostheory.org/ndpls/

## Nonlinear Dynamics, Psychology, and Life Sciences



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

## Nonlinear Dynamics, Psychology, and Life Sciences July 2007 Volume 11, Number 3

## **CONTENTS**

Dynamics of Cell Membrane Passive Depolarization: A Phase Portrait	293
Gaetano L. Aiello, Enrico Bignetti, Carlo Casarino, Ivan D. Sciacca, Michelangelo Scopelliti, and	
Maurizio Venezia	
Nonlinear Analysis of Digital Images and Doppler Measurements	309
for Trophoblastic Tumor	
Valeriy Orel, Tatyana Kozarenko, Konstantin Galachin, Andriy Romanov, and Alexander Morozoff	
Bifurcation Analysis of Predator-Prey Systems with Constant Rate	333
Harvesting Using Non-Standard Discretization <i>G. H. Erjaee</i>	
Dynamic Covariation of Symptoms of Anxiety and Depression	349
Among Newly-diagnosed Patients with Major Depressive	
Episode, Panic Disorder, and Controls  David Katerndahl and Chen-Pin Wang	
Delayed Nonlinear Counot and Bertrand Dynamics with Product Differentiation	367
Akio Matsumoto and Ferenc Szidarovszky	
BOOK REVIEW	
New Methods for Chaotic Dynamics, by Nikolai A. Magnitskii	397
And Sergey V. Sidorov	
Reviewed by Robert A. M. Gregson	
Manuscripts accepted for publication	399