

## Table of Contents

Volume 6 Number 10

September 2015

### The Dynamic Properties of a Deterministic SIR Epidemic Model in Discrete-Time

X. D. Liao, H. B. Wang, X. H. Huang, W. B. Zeng, X. L. Zhou.....1665

### Algorithm for Fast Calculation of Hirzebruch-Jung Continued Fraction Expansions to Coding of Graph Manifolds

F. I. B. López, V. N. Efremov, A. M. H. Magdaleno.....1676

### Tooth Surface Design for Variable Transmission Ratio Bevel Gearing

N. Yang, D. W. Zhang, Y. L. Tian.....1685

### Epidemiological Model and Public Health Sensitization in Mali

M. Alassane.....1696

### An Implicit Smooth Conjugate Projection Gradient Algorithm for Optimization with Nonlinear Complementarity Constraints

C. Zhang, L. M. Sun, Z. B. Zhu, M. L. Fang.....1712

### Supply Chain Commitment Contract Model Based on Uncertainty Theory under Uncertain Market Information

Y. Q. Cui, X. L. Zhang, X. Lu.....1727

### Experimental Design for Optimizing a Mixture of Materials plus an Evaporating Solvent

M. Fernandi, D. Decastri, M. Bazzurri, S. Clementi.....1740

### Movement of Self-Organizing Solitons in Ferromagnet

V. V. Nietz.....1747

### Itô Formula for Integral Processes Related to Space-Time Lévy Noise

R. M. Balan, C. B. Ndongo.....1755

### On Stability of Nonlinear Differential System via Cone-Perturbing Liapunov Function Method

A. A. Soliman, W. F. Seyam.....1769

### Stability Analysis of a Delayed HIV/AIDS Epidemic Model with Treatment and Vertical Transmission

Z. Osman, X. Abdurahman.....1781

### Random Attractors for Stochastic Reaction-Diffusion Equations with Distribution Derivatives on Unbounded Domains

E. M. Ahmed, A. D. Abdelmajid, L. Xu, Q. Z. Ma.....1790