

TABLE OF CONTENTS**目 录**

The Existence of Global Strong Solution for a Class of Nonlinear Evolution Equations
 (一类非线性发展方程整体强解的存在性研究)

Y. R. LI, Q. S. LI, J. L. MA..... 1

The Hamilton-Connectivity with the Sum Degree of Subgraph in Claw-Free Graphs
 (无爪图中子图的度和与 Hamilton 连通性)

J. MI, J. L. WANG..... 8

An Entanglement Criterion for States in $N \otimes +\infty$ System
 (一个 $N \otimes +\infty$ 系统量子态的纠缠判据)

Y. Z. WANG..... 17

An Approximation Algorithm for Average Path Length in A Small-World Network Model
 (一种确定性小世界网络模型平均路径长度的逼近方法)

K. ZHANG, H. X. ZHAO, F. LI..... 22

Using Molecular Beacons as Paste Series Computing Model of a Logic Gate
 (用分子信标作为粘贴串的 DNA 计算模型的逻辑门)

J. J. TANG, J. Y. SHAN..... 29

A Qualitative Analysis of Model of Differential Equations of Gambling
 (赌博的微分方程模型及定性分析)

L. Q. ZHANG, B. Y. DING..... 35

A Kind of Graphs with the Second and Third Minimal Hosoya Index
 (一类图的第二小和第三小 Hosoya 指标)

C. ZHUOMA..... 41