

Managing Editor Board

- ❖ Dr. Alok Darshan Kothiyal
H. N. B. Grahwal central University Srinagar Garhw. India
- ❖ Dr. Hasibun Naher
Universiti Sains Malaysia, Malaysia
- ❖ Dr. Maryam talib aldossary
University of dammam, Saudi Arabia
- ❖ Dr. Md. Abul Kalam Azad
Applied Mathematics, University of Rajshahi, Bangladesh

International Editorial Board

- ❖ Dr. Kuldeep Narain Mathur, Malaysia
- ❖ Dr. Gauri Shanker Sao, India
- ❖ Dr. B.Selvaraj, India
- ❖ Dr. M. Ali Akbar, Bangladesh
- ❖ Dr. Kishor R. Gaikwad, India
- ❖ Dr. Uttam Kumar, India
- ❖ Dr. Mohana Sundaram Muthuvalu, Malaysia
- ❖ Dr. Uttam Kumar Khedlekar, India

Contact Us

Website URL : www.iosrjournals.org
Email : iosrjournals@gmail.com
support@iosrmail.org



Qatar Office:

IOSR Journals
Salwa Road
Near to KFC and Aziz
Petrol Station,
DOHA, Qatar

India Office:

IOSR Journals
SC-89 A, Shastri Nagar,
Ghaziabad, UP,
India

Australia Office:

43, Ring Road,
Richmond Vic 3121
Australia

New York Office:

8th floor, Straight hub,
NS Road, New York,
NY 10003-9595



IOSR Journals

International Organization
of Scientific Research

e-ISSN : 2278-5728

Volume : 15 Issue : 4 (Series - 1)

p-ISSN : 2319-765X

Contents:

Vertex Domination of the Nilpotent Cayley Graph of the Ring $(\mathbb{Z}_n, \oplus, \odot)$	01-07
<i>Tippaluri Nagalakshumma, Levaku Madhavi and Jangiti Devendra</i>	
Modeling and Analysis of Traffic Flows using Four Dimensional Non-linear Dynamical System of Ordinary Differential Equations	08-24
<i>KumamaRegassa, PurnachandraRaoKoya</i>	
Mathematical Modeling the Dynamics of Endemic Malaria Transmission with Control Measures	25-41
<i>Dereje Gutema Edossa, and Purnachandra Rao Koya</i>	
Quasi- Newton Method for Solving Non- Linear Optimization Problems of Convergence Functional	42-47
<i>Adamu Wakili</i>	
Numerical Study of Water Flow through U-Bend Pipe	48-57
<i>Sonkar Mondol, Md. Ismail Hossain and Md. Tajul Islam</i>	
The Radius, Diameter, Girth and Circumference of the Zero-Divisor Cayley Graph of the Ring $(\mathbb{Z}_n, \oplus, \odot)$	58-62
<i>Jangiti Devendra, Levaku Madhavi and Tippaluri Nagalakshumma</i>	
MHD Boundary Layer Slip Flow and Heat Transfer by Homotopy Perturbation Method	63-68
<i>Olisa J.D.</i>	
Generalized Additive Functional Equation in Digital Spatial Image Crypto Techniques System	69-76
<i>R.Murali, P.Divyakumari and Sandra Pinelas</i>	

IOSR-JM