## IOSR Journal of Mathematics (IOSR-JM)

## 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 : Support@iosrmail.org


Qatar Office:
IOSR Journals Near to KFC and Aziz Petrol Station, DOHA, Qatar


India Office:
EHTP, National Highway 8, Block A Sector 34, Gurugram, Haryana 122001
 Australia

## IOSR Journals

International Organization
of Scientific Research

## Contents:

A Simple Characterization of the Fatou Set of a Class of 01-04 Polynomials
A Strange Sequence ..... 05-06
Spectral and Numerical Gaps of Some Operators ..... 07-12
A New Approach to the Branch and Bound Method for ..... 13-17
Solving Assignment Problems
Optimal Choice of Mechanism for Random Selection ..... 18-20
Sensitivity comparison of two option pricing models ..... 21-29
Solutions of couples of nonlinear partial differential equations ..... 30-36by using modified Adomian decomposition methods

Some Topological Properties of Bicomplex Space and Its
Subsets
Fractional Fourier transform in extended Sobolev type spaces $45-5$
SEE Transformation Based Cryptographic Technique to Encrypt 56-65 and Decrypt Plaintext

Fractional Derivative of Dirichlet Average of Generalization of

## K4 and its approximation

Queuing Theory: Boon for analysis of services of banking system


