

GRUNDY COLORING OF JOIN GRAPHS AND NEIGHBORHOOD CORONA PRODUCT OF SOME GRAPHS

Dissertation submitted to

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

affiliated to the Bharathiar University

in partial fulfillment of the requirement for the award of the degree of

MASTER OF SCIENCE IN MATHEMATICS

submitted by

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DEPARTMENT OF MATHEMATICS

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(AUTONOMOUS)

College of Excellence (UGC)

Re -Accredited by NAAC with 'A+' grade (4th Cycle)

29th Rank among Colleges in NIRF 2023

COIMBATORE - 641 029

APRIL 2024

**APPLICATION OF EIGENVALUES OF THE HESSIAN MATRIX IN THE
IMAGE ENHANCEMENT USING MATLAB**

Dissertation submitted to

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MASTER OF SCIENCE IN MATHEMATICS

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APRIL 2024

A STUDY ON FRACTIONAL DYNAMICS OF A CHIKUNGUNYA TRANSMISSION MODEL

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APRIL 2024

**ANALYZING THE IMPACT OF DOLLARIZATION AND DE-DOLLARIZATION ON
FOREIGN AND IMPORT USING MACHINE LEARNING**

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APRIL 2024

**APPLICATIONS OF TOPOLOGY OPTIMIZATION IN STRUCTURAL
ENGINEERING: HIGH-RISE BUILDINGS AND STEEL COMPONENTS**

Dissertation submitted to

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APRIL 2024

A STUDY ON PROPERTIES OF G^* -CLOSED SETS IN TOPOLOGICAL SPACE

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APRIL 2024

A STUDY ON ODD COLORING OF GRAPHS

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APRIL 2024

**APPLICATION OF MATHEMATICS IN CHESS STRATEGIES WITH
PYTHON**

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APRIL 2024

**A STRATEGIC APPROACH OF TEAM DYNAMICS IN HANDBALL
USING GRAPH THEORY**

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APRIL 2024

**AN APPLICATION OF SOFT SETS AND INCOMPLETE SOFT SETS IN A DECISION
MAKING PROBLEM**

Dissertation submitted to

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APRIL 2024

ON SOFT GENERALIZED CLOSED SETS IN SOFT TOPOLOGICAL SPACES**

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APRIL 2024

A STUDY ON GP-CLOSED SETS IN TOPOLOGICAL SPACES**

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A STUDY ON CHROMATIC NUMBER AND ITS APPLICATIONS

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A STUDY ON FUZZY TOPOLOGICAL SPACES

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Affiliated to Bharathiar University, Coimbatore

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A STUDY ON $\delta\hat{g}$ -CLOSED SETS IN TOPOLOGICAL SPACE

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APRIL 2024

WATER QUALITY ANALYSIS OF NOYYAL RIVER

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A STUDY ON FRACTIONAL DYNAMICS OF A COVID-19 TRANSMISSION MODEL

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AIR POLLUTION MODELLING

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APRIL 2024

**PROPERTIES OF ALWAYS $\ast G$ - CONTINUOUS FUNCTIONS IN
TOPOLOGICAL SPACES**

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