CHAPTER 31

MATHEMATICAL SCIENCES MATHEMATICS

Doctoral Theses

O1. AGGARWAL(Pakhi) On 2-Absorbing and 2-Absorbing Primary Submodules of Modules over Commutative Rings. Supervisor :Dr. Pratibhi Kumar and Late Dr.Manish Kant Dubey Th 23504

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1. Preliminaries 2.2-Absorbing submodules 3.Weakly 2-Absorbing surbmodules 4.2-Absorbing primary submodules 5.Weakly 2-Absorbing primary surbmodules. Bibliography.

02. ARVIND KUMAR

Duality in Multiobjectivie Programming Problems under Generalized Convexity. Supervisor : Dr. Pankaj Kumar Garg <u>Th 23506</u>

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03. BAWEJA (Meena) **Multi-Period Protfolio Optimization with Structured Product.** Supervisor : Prof. V. Ravichandran <u>Th23511</u>

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04. BOHRA (Nisha) **Geometric Properties of Univalent, Bi-univalent and Some Special Functions.** Supervisor :Prof. V. Ravichandran <u>Th23518</u>

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special differential subordinations 5. Bi-univalent analytic functions 6. Schwarzianderivative. References. Index.

05. CHANDER SHEKHAR **Frames for Operators and Operator Branch Frames.** Supervisors :Dr. Shiv Kumar Kaushik <u>Th23512</u>

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O6. CHAUDHARY (Mamta) Variational-Like Inequalities in Terms of Bifunctions, Optimality and Duality in Vector Optimization Over Cones. Supervisor : Dr. Sunila Sharma

<u>Th 23516</u> <u>Th 23516</u>

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07. CHOPRA (Ritika)

Possibilistic, Intuitionistic and Fuzzy Multi-Objective Linear Programming Problems.

Supervisor : Dr. Ratnesh R. Saxena <u>Th 23499</u>

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08. DEEPSHIKHA **Weaving Frames in Hilbert Spaces.** Supervisor : Dr. Lalit Kumar <u>Th 23513</u>

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09. DEEPTI KAUR

High Accuracy Compact Difference Methods for Multi-Dimensional Fourth Order Quasi-Linear Parabolic Partial Differential Equations.

Supervisor :Dr. Swarn Singh and Prof. R. K. Mohanty $\underline{Th\ 23501}$

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 DHINGRA (Mansi) Unified Solutions, Stability and Optimality in Set Optimization. Supervisor : Prof. C. S. Latitha <u>Th23503</u>

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11. GARG(Mukta)

Dynamics of Maps Possessing the Almost Average Shadowing Property and Variants of Transitivity.

Supervisor : Prof. Ruchi Das <u>Th 23519</u>

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12. GARG(Saakshi)

Weaving generalized frames in Hilbert spaces and frames in locally convex spaces.

Supervisors :Dr. Lalit Kumar Th 23515

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13. GOEL(Neha)

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14. JITENDER KUMAR

Common Fixed Poing Theorems in Complex Valued, Partial and Fuzzy Metric Spaces.

Supervisors :Dr.SachinVashistha Th 23505

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15. KHANNA (Nikhil)

Vanishing Moments of Wavelet Packets and Hilbert Transform of Wavelets. Supervisor :Dr. Varinder Kumar <u>Th 23498</u>

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16. MITTAL (Richa) Search of Efficient Rotation Patterns on Successive Occasions and their Applications.

Supervisor : Dr. KumariPriyanka <u>Th 23514</u>

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- 17. Ohri (Neelima)
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 SHAH (Ashok Kumar) Wave Packet Frames in L² (R^d) Supervisor :Dr. Raj Kumar <u>Th 23507</u>

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SANTOSH KUMARI Weighted Norm Inequalities Involving Integral Operators. Supervisor : Dr. Pankaj Jain <u>Th 23522</u>

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SHAH JAHAN
 K-Atomic Decompositions, Atomic Systems and Frames in Branch Spaces.
 Supervisor : Dr. Varinder Kumar
 <u>Th 23508</u>

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 SHARMA (Arti)
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22. SHARMA (Bharti) Solution Concepts and Duality for Interval Valued and Dynamic Optimization Problems.

Supervisor : Dr. Promila Kumar Th 23500

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variational problem with infinite constraints 5. Continuous time non-smooth optimization through quasi efficiency. References.

23. SHARMA (Uday)

Variants of Multi-Objective Programming Problems in Fuzzy Environment. Supervisor : Dr. ShashiAggarwal

<u>Th 23510</u>

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24. TYAGI (Ambika)

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Supervisor : Prof. V. Ravichandran <u>Th 23509</u>

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25. VERMA (Shelly)

Coefficient and Radius Estimates of Normalized Analytic Functions. Supervisor : Prof. Ahay Kumar and Prof. V. Ravichanderan <u>Th 23510</u>

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