



NBHM

National Board for Higher Mathematics

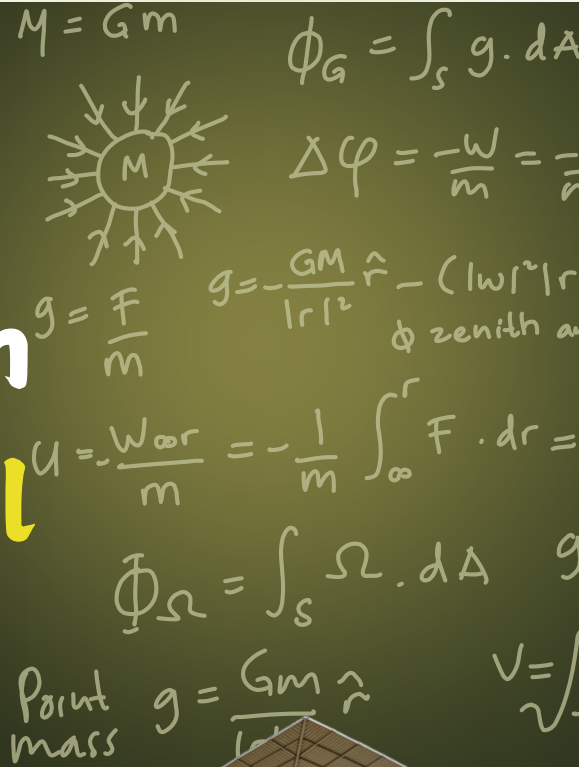


SRM
UNIVERSITY AP

Andhra Pradesh

Department of Mathematics

Workshop cum Mini-Symposium on Partial Differential Equations



December 23 - 28, 2024

SRM University-AP



Aim of the Programme

The primary objective of the 'Workshop cum Mini-Symposium on PDE' is to provide a comprehensive understanding of the fundamental principles of the abstract theory of elliptic partial differential equations. Additionally, it aims to showcase recent advancements in the fields of modeling, analysis, numerical methods, and optimum control of kinetic and partial differential equation (PDE) models. This conference provides a venue for scholars to learn about the most recent findings on PDE applications, explore novel ideas, and foster collaborations in the field of PDEs.

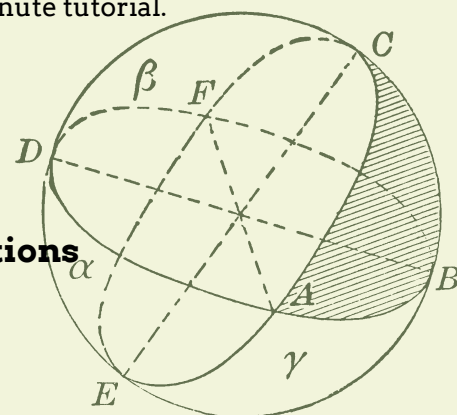
The Programme consists of three 90-minute lectures each day, followed by a 60-minute tutorial.

About the Workshop

Thematic of the workshop:

Basics of regularity theory of elliptic partial differential equations

December 23 - 27, 2024



Resource persons:

$$x^2 - y^2 = (x - y)(x + y)$$



Prof. V Raghavendra

Distinguished Professor
Department of mathematics and statistics
Indian Institute of Technology Tirupati

**Topic: Introduction to
Sobolev space**



Prof. A Adimurthi

Visiting Faculty
Department of Mathematics and Statistics
Indian Institute of Technology Kanpur,

**Topic: Harnack Inequality for
divergence form equations**



Dr Karthik Adimurthi

Reader, Tata Institute of Fundamental
Research Centre for Applicable,
Bangalore

**Topic: Harnack Inequality for
Non-divergence form equations**



Dr Ram Baran Verma

Assistant Professor
Department of Mathematics
SRM University-AP

**Topic: Harnack Inequality for
Non-divergence form equations**

About the Symposium

Thematic of mini-symposium:

Applied Mathematics Symposium on Differential Equations: Theory, Computation, and Beyond

December 28, 2024

Resource persons:



Satyajit Pramanik

Assistant Professor, Department of
Mathematics, IIT Guwahati



Mohit Dalwadi

Associate Professor in Applied Mathematics,
Mathematical Institute, University of Oxford



Moitri Sen

Assistant Professor, Department of Mathematics,
National Institute of Technology, Patna



Registration

Registration Fees: **Rs. 2000/-**

Last Date of Registration: **November 25, 2024**

Registration Link: [mathematics-symposium](https://mathematics-symposium.srmmap.edu.in)

*Selected students will be provided food, accomodation and train fair (AC 3 tier) along with workshop kits.



Local Organising Committee

Dr Ram Baran Verma, SRM University-AP

Dr Tapan Kumr Hota, SRM University-AP

Dr Satyajit Pramanik, IIT Guwahati

Scan for Payment



For more details, contact:- mat.office@srmmap.edu.in