



A Five-Day National Mathematics Workshop on Emerging Areas in Differential Equations: Theory, Modelling, Discretization & Numerical Solvers

September 16-20, 2024 (Offline Mode)



Government College Kullu, Himachal Pradesh, India

About the Workshop

The aim of this workshop is to bring together scientists and mathematicians working in Differential Equations and related field. Contemporary challenges raised by recent advances in engineering, industry, bio-technology and other related field, will be confronted with state-of-the-art mathematical and computational tools in differential equation. It also provides a premier interdisciplinary platform for experts and teachers to present and discuss the most recent innovations in the emerging areas of differential equations. With an interdisciplinary scope, this workshop also pays attention to numerous applications of recent ODE/PDEs results to other related areas.

About Institute

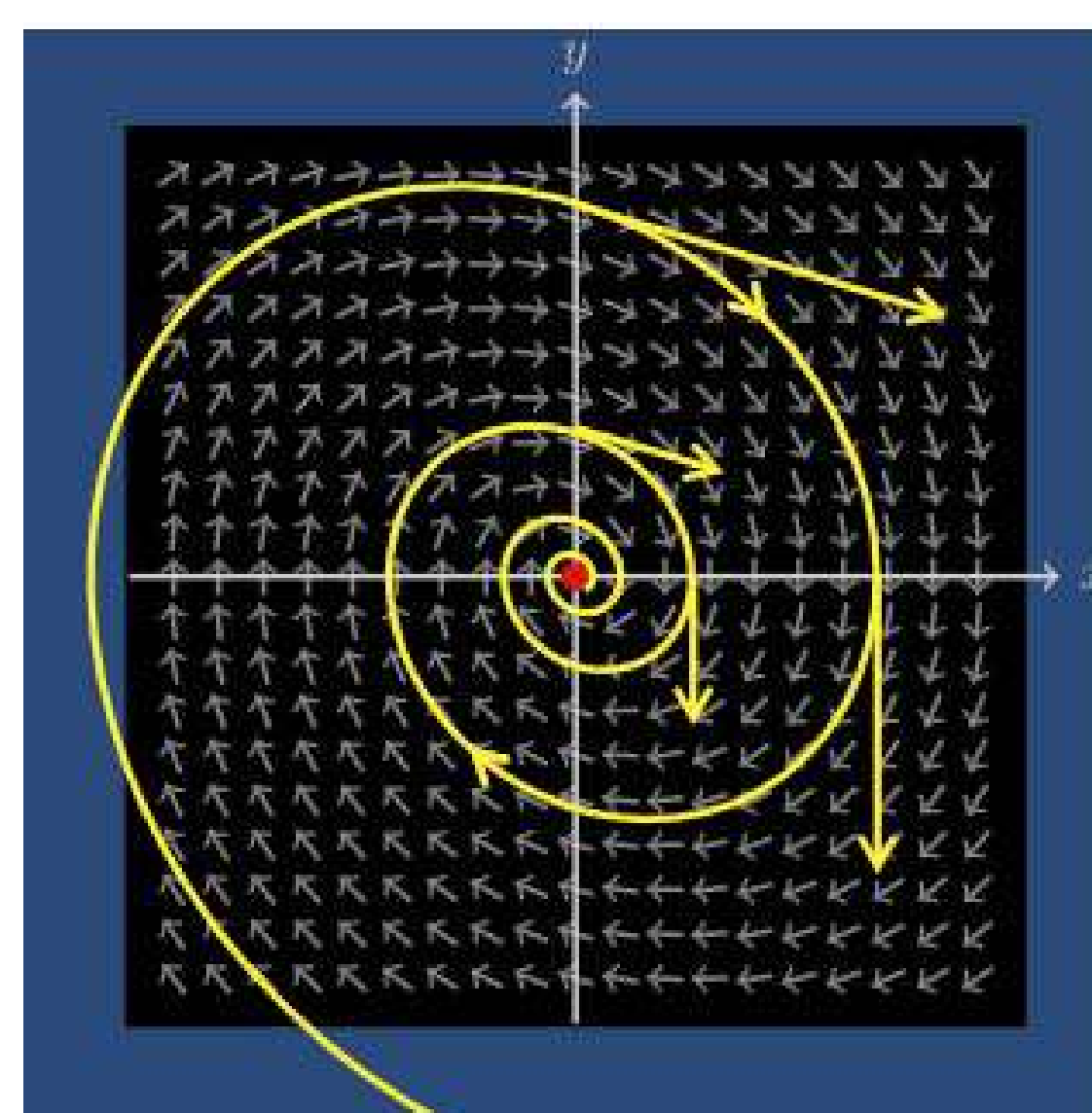
Government College Kullu is one of the oldest and finest educational institution of Himachal Pradesh, providing a steady source of highly skilled talent to the state, nation and abroad. The glorious journey of the college began five decades ago in the year 1967 with 57 students and presently the institution has more than 5000 strength. It is located on the banks of the Beas River. Our alumni have stood out in varied fields such as ministers, MP, MLAs, business and industry, administrative and regulatory services, research and education, social and human rights organizations.

Kullu : The 'Valley of Gods',

Kullu is a cluster of beautiful valleys in Himachal Pradesh. Located between the majestic Himalayas and river Beas. It is situated at an altitude of 1230 m. Kullu, along with Manali, are favorite hill stations. Scenic views and snow-clad mountains, towering Deodar jungles, rivers and apple orchards have attracted several feature filmmakers too. This place is a hot-spot for adventure sports. Trekking, river rafting, mountaineering, paragliding and hiking over the Himalayan glaciers are some of the activities that Kullu offers. Angling is another activity enjoyed a lot by locals as well as tourists. Mountaineering beginners can trek around the Beas Kund region, Hanuman Tibba and Deo Tibba. Most of the trekking trails are situated beyond the Rohtang Pass in the valleys of Spiti, Lahaul, Zaskar and Ladakh and private companies organize expeditions for up to 12 days. The hot springs of Kheerganga, Manikaran, a pilgrimage and the Great Himalayan National Park are a few of the 'touristy' places worth visiting here.

Keynote Speaker

- Prof. Rashmi Bhardwaj (GGSIU, New Delhi)
- Prof. Subir Das (IIT BHU)
- Prof. S. Sivaji Ganesh (IIT Bombay)
- Prof. Kapil Kumar Sharma (SAU, Delhi)
- Dr. Ravinder Singh (NIT Jalandhar)
- Dr. Paramjeet Singh (TIET, Patiala)
- Dr. R. Sivaraj (NIT Jalandhar)



Topics

1. Mathematical Modelling in Real World Applications
2. Cauchy Problem for First Order Partial Differential Equation
3. Weak formulation of PDE
4. System of Differential equation
5. Numerical Analysis
6. Numerical Solution of Boundary Layer Problems
7. Numerical Methods for Linear and Non-linear Ordinary and Partial Differential Equations

Target Audience

Target Audience: Faculty Members, Phd students, Postgraduate students, Undergraduate students and Other Researchers with a background of Applied Mathematics.

Sponsor



Organising Committee

Chief Patron

Principal, Govt. College Kullu

Chairperson

Prof. Som Krishan Sharma

Convener

Dr. Santosh Kumar, Department of Mathematics, Govt. College Kullu, Kullu.

Organizing Secretary

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Advisory Committee

Dr. Kapil Kumar Sharma, South Asian University, New Delhi
Dr. Paramjeet Singh, School of Mathematics, TIET, Patiala.

Prof. Brij Bala, Govt. College Kullu
Prof. Rajesh K Singh, Govt. College Kullu
Prof. Sapna Verma, Govt. College Kullu

Registration Fee (Rs.3500/3000/2500):

Faculty	Rs. 3500
Research Scholar	Rs. 3000
PG/UG Student	Rs. 2500

Participants will have to pay nominal course fee of Rs 3500/3000/2500. Registration fee includes the Meals (Breakfast, Lunch, and Dinner) Accommodation and Refreshment during the workshop. Accommodation will be provided on sharing basis in guest house or nearby hotel to limited outstation participant.

Registration Link:

<https://forms.gle/LamjKunewsLuehkv9>

Bank Details

Bank Name: ICICI Bank Ltd

Account Number: 073601000949

IFSC Code: ICIC0000736

Account Name: Govt. College Kullu PTA

Note that the seats are limited and last date of application is **September 5, 2024**.

How to Reach

Kullu is well connected with other parts of country by roads and air.

Roadways : Frequent buses are available from the HRTC bus stands at Kullu and Manali to all major cities. One can avail Taxis also from the the Local Taxi Stand.

Airways: Kullu is well connected by airways and one can get flights to and fro from Kullu-Manali Airport at Bhuntar. Bhuntar is 10 kms from Kullu and 50 kms from Manali.

Contact

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