



Advanced Training in Mathematics Schools

Supported by National Board for Higher Mathematics

Advanced Training School for Lecturers in Real Analysis

Venue: Department of Mathematics, University of Delhi, Delhi

22nd March, - 3rd April, 2010

Conveners: *Ajay Kumar & Sanjay Kumar Pant*

Brief description of ATM Schools

Advanced Training in Mathematics (ATM) Schools are a joint effort of more than 50 active researchers across the country with support from the National Board for Higher Mathematics. The programmes are conducted in reputed mathematics departments in summer and winter each year. In these Schools, the emphasis will be on problems solving and on highlighting inter-relations of basic subjects in mathematics. The schools are offered mainly for Ph.D. students and lecturers. Presently we invite applications for participation in

ATM School for Lecturers in Real Analysis

Brief description of the school

Real Analysis is an integral component of the undergraduate as well as the post-graduate syllabi of the Indian universities. The Department of Mathematics, Delhi University has a long and illustrious tradition in analysis. From the time of its inception the department was lead by well-known analysts and produced a good number of researchers and teachers in analysis.

The school is designed to fill the gaps left in the development of calculus as it is usually presented in an elementary course, and to provide the background required for insight into more advanced courses in pure and applied mathematics. The course will include topics like Convergence of series, convergence of series of functions, Power series, Fourier series, Riemann Integration, Lebesgue Integration, and Calculus on R^n .

Eligibility for participation

Applications are invited from lecturers in mathematics who have passed NET/SET or equivalent examination and who are teaching at a college/university. Students doing M. Phil. may also be considered for the school. Teachers below the age of 30 will be given preference.

National Committee for the ATM Programme

Prof. S. A. Katre	Pune U., Pune
Prof. S. Kesavan	IMSc, Chennai
Prof. Shobha Madan	IIT Kanpur
Prof. N. Nitsure	TIFR, Mumbai
Prof. J. K. Verma (Convener)	IIT Bombay

Financial Support

Selected participants will be paid III-AC return train fare from their place of work/home town to the venue by shortest route and provided with accommodation and local hospitality.

How to Apply

The syllabus, applications form and other information about the programme is available on the website:

<http://www.bprim.org/atm>

Application may also be made on plain paper, giving the following information:

Name, Date of Birth, Age, Gender, Institute/Department, Areas of interest, Address for correspondence, email address, City, State, Pincode, Academic Record: B.Sc./M.Sc. with names of the Institutes, additional information (if any). These should be attested by Head/Principal of the institute.

Completed application forms should reach

Prof. Ajay Kumar
Coordinator, ATML
Department of Mathematics,
University of Delhi, Delhi - 110007
e-mail: akumar@maths.du.ac.in,
ak7028581@googlemail.com
Phone: 0-9810528236 (S. Pant)(Mob.)
011-27666658(O)
Fax: 011-27010937 (Attn. Prof. Ajay Kumar)

by **Saturday, 30th Jan., 2010**. List of selected candidates will be posted on the websites of ATM Schools on **Saturday, 6th Feb., 2010**.

Resource persons

R. K. Panda	Delhi University
Ajay Kumar	Delhi University
Harish Chandra	BHU, Varanasi
E. K. Narayanan	IISC, Bangalore
Parashar Mohanty	IIT, Kanpur
Murali K. Vemuri	CMI, Chennai

Unity of Mathematics Lectures

Ravi Kulkarni, Rajendra Bhatia, Dinesh Singh