



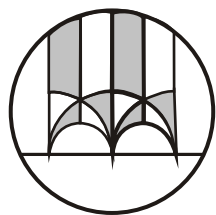
National Centre for Mathematics

www.ncmath.org

(A joint centre of TIFR and IIT Bombay)

Advanced Training in Mathematics Schools

www.atmschools.org



Instructional School in Numerical Analysis

Supported by National Board for Higher Mathematics

18 June-07 July, 2012

Conveners: S. K. Tomar and G. D. Veerappa Gowda

Brief description of ATM Schools

Advanced Training in Mathematics (ATM) Schools are a joint effort of a large number of 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 problem 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

Instructional School for Lecturers in Numerical Analysis

In this school, a semester long course on basic Numerical Analysis will be covered. It will have 12 lectures each on important topics in solution of Non-linear equations and approximation of functions, numerical analysis of ordinary differential equations and numerical analysis of partial differential equations. A brief syllabus is: Root finding methods, Runge Kutta methods, Rayleigh-Ritz and Galerkin methods, Differential Quadrature method, Shooting method, Finite Difference and Finite Element methods, ADI and LOD methods, Finite Volume Method for Conservation Laws.

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 35 will be given preference.

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.atmschools.org>

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, PIN code, 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. S. K. Tomar
Mathematics Department
Panjab University
Sector 14, Chandigarh-160014
e-mail: sktomar66@gmail.com

by April 20, 2012. List of selected candidates will be posted on the websites of ATM Schools by April 30, 2012.

Resource Persons

M. K. Kadalbajoo	IIT, Kanpur
G. D. Veerappa Gowda	TIFR, Bangalore
M. M. Chawla	IIT, Delhi
R. K. Jain	IIT, Delhi
Vinay Kanwar	PU, Chandigarh
Kapil K. Sharma	PU, Chandigarh