



Advanced Training in Mathematics Schools Instructional School for Teachers in Linear Algebra and Multivariable Calculus

December 18-30, 2017

Department of Mathematics, Dibrugarh University

Funded by the National Centre for Mathematics
and Dibrugarh University

Last date of online application: July 31, 2017



Brief description of ATM Schools

The Advanced Training in Mathematics Schools (ATM Schools) were launched by the National Board for Higher Mathematics (NBHM) in 2004. The purpose of these schools is to provide training in core subjects in Mathematics to Ph.D. students, young researchers and teachers. The emphasis in these schools is on learning mathematics by doing it. IIT Bombay and TIFR have jointly established the National Centre for Mathematics (NCM) in 2011. The instructional schools and workshops which were earlier planned by an NBHM committee on ATM Schools are now being organized under the supervision of the Apex Committee of the NCM.

Goal of this school

The goal of this school is to promote mathematics in north-east through the college and university teachers. We hope that after attending this school, our participants would be able to motivate and encourage their students to pursue research in mathematics.

Topics

In this school, we will learn the basic tools of Linear Algebra and Multivariable Calculus and use them to study classical matrix groups and geometry of surfaces. Learning these topics are the first steps to pursue research in the area of algebra, analysis, and geometry. Through these topics, we will discuss some questions of current interests to get a flavor of ongoing research in these areas.

Who should apply

Applications are invited from mathematics teachers in colleges and universities. Students doing M. Phil. or Ph. D. may also be considered for the school. Teachers below the age of 35 will be given preference.

How to apply

Interested participants may fill up the online application form available at the following link: <https://www.atmschools.org/2017/ist/lamc> and send attested hard copy of the application to the local coordinator:

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before **July 31, 2017**.

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