



**INDIAN ACADEMY OF SCIENCES
BANGALORE**

**INSTRUCTIONAL SCHOOL ON LINEAR ALGEBRA
3–15 December 2001**

at

**HARISH–CHANDRA RESEARCH INSTITUTE
CHHATNAG ROAD, JHUSI, ALLAHABAD 211 019**

In December 1999, the Indian Academy of Sciences sponsored an intensive course on Linear Algebra at Panjab University, Chandigarh. The objectives of the course were to help the participants broaden their knowledge, and to develop problem-solving abilities. The course was attended by about 30 college/university teachers and research students from all over India.

A second course on Linear Algebra will now be held at the Harish–Chandra Research Institute, Allahabad. About 30 college/university teachers will be invited to attend. There will be formal lectures and many problem sessions and discussions in which all attending the course are expected to participate.

Outline of the Course

1. Matrix analysis: Eigenvalues and singular values, convexity, majorisation, variational principles.
2. Classical groups and representation theory of finite groups
3. Infinite groups
4. Miscellaneous topics and discussions

Prerequisites

A basic knowledge of linear algebra, matrix theory and groups.

Selected participants will be provided local hospitality and round-trip actuals of train fare (first class or three-tier AC).

Teachers who wish to participate in the school may send their brief curriculum vitae (including name, date of birth, postal and e-mail address, qualifications, teaching experience, courses taught, positions held, etc.) to

Prof. Dipendra Prasad
Coordinator
Instructional School in Linear Algebra
Harish–Chandra Research Institute
Chhatnag Road, Jhusi
Allahabad 211 019

Research students who wish to participate in this programme may also apply with a letter of recommendation from their supervisors. Participants in the 1999 course are encouraged to apply again.

Last date for receipt of applications: 1 September 2001