

# Workshop in Algebra

## Mathematics lecture series

Organized by [Chennai Mathematical Institute](#) and [The Institute of Mathematical Sciences](#)  
Funded by [Indian Academy of Sciences](#)

This is an outreach programme of the [Proceedings--Mathematical Sciences](#), a journal of the Indian Academy of Sciences, Bengaluru.

### Workshop in Algebra | 1400–1800 IST, 7–9 September 2021

*An outreach programme of the Proceedings--Mathematical Sciences  
a journal of the Indian Academy of Sciences, Bengaluru*

[www.ias.ac.in](http://www.ias.ac.in)



For college/university teachers who teach UG/PG level mathematics courses.

Details and WebEx/YouTube Links: [www.imsc.res.in/outreach/workshopAlgebra2021/](http://www.imsc.res.in/outreach/workshopAlgebra2021/)



#### Topics:

- (a) Group actions
- (b) On the structure of finite abelian groups
- (c) Matrix exponentiation and applications

**Speakers:** D S Nagaraj (IISER Tirupati), K N Raghavan (IMSc), P Sankaran (CMI)



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@IMScChennai



**Venue:** *Online*

**Dates:** 7--9 September 2021

**Time:** 1400--1800 IST

**The lectures are aimed at college/university teachers who teach UG/PG level mathematics courses.**

**Speakers:** D S Nagaraj (IISER Tirupati), K N Raghavan (IMSc), P Sankaran (CMI Kelambakkam)

#### How to Participate

The workshop is open to all. There is no participation fee. No participation certificate will be issued.

People can participate via WebEx. The workshop will be live streamed on YouTube.

To join the lectures, click the links below.

#### Schedule and Links

| Day                | Links  | 14:00--15:10                   | 15:20--16:30                   | 16:50--18:00                   |
|--------------------|--|--------------------------------|--------------------------------|--------------------------------|
| Tue, 7 Sept 2021   | <a href="#">WebEx link</a>   <a href="#">YouTube</a> | (B): <a href="#">Lecture 1</a> | (C): <a href="#">Lecture 1</a> | (A): <a href="#">Lecture 1</a> |
| Wed, 8 Sept 2021   | <a href="#">WebEx link</a>   <a href="#">YouTube</a> | (C): <a href="#">Lecture 2</a> | (A): <a href="#">Lecture 2</a> | (B): <a href="#">Lecture 2</a> |
| Thurs, 9 Sept 2021 | <a href="#">WebEx link</a>   <a href="#">YouTube</a> | (A): <a href="#">Lecture 3</a> | (B): <a href="#">Lecture 3</a> | (C): <a href="#">Lecture 3</a> |

(A) Group actions, D S Nagaraj (IISER Tirupati)

(B) On the structure of finite abelian groups, K N Raghavan (IMSc Chennai)

(C) Matrix exponentiation and applications, P Sankaran (CMI Kelambakkam)

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Links to upcoming and past outreach events (including videos, slides and notes) may be found [here](#).

For any other queries, email us: [outreach@imsc.res.in](mailto:outreach@imsc.res.in)

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