

INFINITE-DIMENSIONAL LIE ALGEBRAS

MARCH 11 - JULY 31, 2024, ONLINE
PHYSICS LATAM

Guest Speakers

Jethro van Ekeren (IMPA)

Reimundo Heluani (IMPA)

Satoshi Nawata (Fudan University)

Hiraku Nakajima (Kavli Institute IPMU)

Susan Sierra (University of Edinburgh)

Valerio Toledano Laredo (Northeastern University)

Topics

- Basics on Lie algebras and review of topics in linear algebra
- Virasoro algebra and its representations
- Generalities on Kac–Moody algebras and their representations
- Affine Kac–Moody algebras
- Highest Weight Modules
- Additional topics depending on time and preference of the participants

Lecturer

Sebastian Schlegel Mejia (Max Planck for Mathematics)

Teaching Assistants

Daniel Bermudez (HCM- University of Bonn)

Organizer

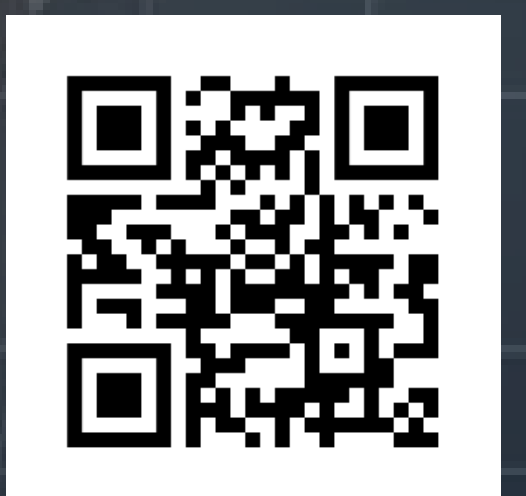
Daniel Galviz (Tsinghua University)

Call for Application

Program & Application website :

www.physicslatam.com/lie

Deadline of the application February 20, 2024



Contact Us

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