

Geometry, Statistical Mechanics, and Integrability Tutorials

Tuesday March 12, 2024

- 8:00–8:55 *Check-In/Breakfast (Hosted by IPAM)*
- 8:55–9:00 *Welcome and Opening Remarks*
- 9:00–10:15 **Nathanael Berestycki** (University of Vienna)
Gaussian free field and Schramm–Loewner Evolution (Part 1)
- 10:15–10:45 *Break*
- 10:45–12:00 **Cédric Boutillier** (Sorbonne Université)
Dimer models and random tilings (Part 1)
- 12:00–12:30 *Core Orientation with IPAM Staff*
- 12:30–2:00 *Lunch (on your own)*
- 2:00–3:15 **Greta Panova** (University of Southern California (USC))
Symmetric Functions (Part 1)
- 3:15–3:45 *Break*
- 3:45–5:00 **Pavel Galashin** (University of California, Los Angeles (UCLA))
Introduction to cluster algebras (Part 1)

Wednesday March 13, 2024

- 8:00–9:00 *Check-In/Breakfast (Hosted by IPAM)*
- 9:00–10:15 **Eveliina Peltola** (Aalto University)
Gaussian free field and Schramm–Loewner Evolution (Part 2)
- 10:15–10:45 *Break*
- 10:45–12:00 **Terrence George** (University of California, Los Angeles (UCLA))
Introduction to cluster algebras (Part 2)
- 12:00–2:00 *Lunch (on your own)*
- 2:00–3:15 **Greta Panova** (University of Southern California (USC))
Symmetric Functions (Part 2)
- 3:15–3:45 *Break*
- 3:45–5:00 **Tomas Berggren** (Massachusetts Institute of Technology)
Dimer models and random tilings (Part 2)



Thursday March 14, 2024

- 8:00–9:00 *Check-In/Breakfast (Hosted by IPAM)*
- 9:00–10:15 **Marcin Lis** (Vienna University of Technology)
Embeddings & Statistical Mechanics (Part 1)
- 10:15–10:45 *Break*
- 10:45–12:00 **Marianna Russkikh** (University of Notre Dame)
Embeddings & Statistical Mechanics (Part 2)
- 12:00–2:00 *Lunch (on your own)*
- 2:00–3:15 **Leonid Petrov** (University of Virginia)
From Random Tilings to Integrable Vertex Models (Part 1)
- 3:15–3:45 *Break*
- 3:45–5:00 **Sanjay Ramassamy** (Centre National de la Recherche Scientifique (CNRS))
Introduction to Discrete Integrable Systems (Part 1)

Friday March 15, 2024

- 8:00–9:00 *Check-In/Breakfast (Hosted by IPAM)*
- 9:00–10:15 **Leonid Petrov** (University of Virginia)
From Random Tilings to Integrable Vertex Models (Part 2)
- 10:15–10:45 *Break*
- 10:45–12:00 **Niklas Affolter** (Technische Universität Berlin)
Introduction to Discrete Integrable Systems (Part 2)
- 12:00–2:00 *Lunch (on your own)*
- 2:00–3:15 *Research Groups Discussion*
- 3:15–3:45 *Break*

