

Maryna Viazovska

École Polytechnique
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April 29 • 30 • May 1

4:30–5:30pm

► Lectures: Rm. 2-190

Reception: 4pm, Rm. 2-290

The Sphere Packing Problem

Lecture 1 • General overview

Lecture 2 • Random sphere packings with symmetries

Lecture 3 • Ideal lattice packings and subconvexity bounds II

SIMONS LECTURES IN MATHEMATICS 2025

Thomas Vidick

École Polytechnique
Fédérale de Lausanne

May 12 • 13 • 14

4:30–5:30pm

► Lectures: Rm. 2-190

Reception: 4pm, Rm. 2-290

Surprises in Quantum Complexity Theory

Lecture 1 • Some complexity challenges from quantum information

Lecture 2 • Entanglement, interactive proofs, and approximability

Lecture 3 • Entanglement, error-correcting codes, and proofs