



ID de Contribution: 2

Type: **Lecture / lecture series**

Introduction to the numerical conformal bootstrap

lundi 3 mai 2021 10:00 (1 heure)

Lecture 1:

- Introduction
- Conformal symmetry in $D \geq 2$ dimensions
- Unitarity/reflection positivity

Lecture 2:

- Operator Product Expansion and conformal blocks
- Crossing equations

Lecture 3:

- Recasting crossing symmetry as a convex optimisation problem (main logic)

Lecture 4:

- Applications of the numerical bootstrap: the Ising model in $D = 2, 3$ dimensions

Orateur: VICHI, Alessandro (University of Pisa)

Classification de thématique: 1. Status of the conformal bootstrap