Anton Bovier University of Bonn

スーパーグローバルコース数学特別講演

Statistical Mechanics, Disordered systems, and extreme values

Wed, **April 25**		Room **552**, Faculty of Science Bldg #3
Tue, **May 8**	**13:30 – 15:30** each day	Room **110**, RIMS
Wed, **May 16**		Room **552**, Faculty of Science Bldg #3

I will give an overview of the main results and challenges in the statistical mechanics of disordered systems and spin glasses. Some of these challenges are closely related to understanding the properties of extreme values of high-dimensional random fields. I will discuss this in the examples of the random energy model, the generalised random energy model, and branching Brownian motion. If there will be time, I may also discuss some implication on the dynamics of such systems.

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