



UČENÁ SPOLEČNOST
ČESKÉ REPUBLIKY

Učená společnost České republiky srdečně zve akademickou veřejnost
na pátou přednášku v sérii Bernarda Bolzana:

HUGO DUMINIL-COPIN

držitel Fieldsovy medaile

Ženevská univerzita a Institut des Hautes Études Scientifiques
v Bures-sur-Yvette

CRITICAL PHENOMENA THROUGH THE LENS OF THE ISING MODEL

středa **16. dubna 2025**, 14 h

Modrá posluchárna rektorátu Univerzity Karlovy
Celetná 20, Praha 1



The Ising model is one of the most fundamental lattice models in statistical physics, known for exhibiting phase transitions. Originally conceived as a model for ferromagnetism, it has since emerged as a remarkably rich mathematical framework and a powerful theoretical tool for understanding cooperative phenomena. Over the past century, extensive research has led to a profound understanding of its critical phase. In this talk, we will provide an overview of key developments in the study of this foundational model while offering broader insights into statistical physics.



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