Institute for Applied Mathematics, Bonn University

Oberseminar Stochastik

Thursday, 24 April 2025, 16:30
Lipschitz-Saal (LWK 1.016)

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Spin glasses and the Parisi formula

Spin glasses are models of statistical mechanics in which a large number of elementary units, called spins, interact in a disordered manner. One of the main results of the theory is the Parisi formula, which describes the limit of the free energy of these systems. The goal of my talk will be to present this formula and some open problems that relate to it, as well as partial progress.