

2024 泛函分析及空间理论 天元暑期研讨班

Hessian spectrum at the global minimum of elastic manifold

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Abstract

The model of elastic manifold was considered in physics by Fisher (1986), Mezard and Parisi (1990s) among many others. Using Parisi's award winning replica trick, Fyodorov and Le Doussal predicted the high dimensional limit of the Hessian spectrum at the global minimum of elastic manifold, and discovered phase transitions according to different levels of replica symmetry breaking. In this talk, I will present a solution to their conjecture in the so called replica symmetric regime. Our method is based on landscape complexity, or counting the critical points of the Hamiltonian.

Time: Wednesday, August 7, 2024, 10:00-11:00

Venue: Ming De Building, B201-1

More information:

<https://im.hit.edu.cn/2024/0515/c8389a344802/page.htm>

