数学与系统科学研究院 计算数学所学术报告

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报告题目:

Representation learning in many-body physics

邀请人: 于海军 研究员

报告时间: 2021年10月27日(周三)

下午 14:00-15:00

报告地点:科技综合楼

301 教室

Abstract:

Representation learning extracts high-level abstract concepts from microscopic degrees of freedom. I discuss applications will representation learning many-body physics with particular emphasizes its connection to renormalization group and Monte Carlo sampling. As a concrete example, I will introduce neural canonical transformations, symplectic normalizing flow which can be used to identify independent slow collective variables in physical systems and natural datasets.

欢迎大家参加!