

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:

Differentiable scientific computation

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报告时间: 2021 年 10 月 27 日 (周三)

下午 15:10-16:10

报告地点: 科技综合楼

301 教室

Abstract:

Differentiable programming is a fresh programming paradigm emerges from deep learning but goes beyond training neural networks. In differentiable programming, one composes differentiable components into an adaptive program and learns the program with gradient based optimization. Differentiable programming directly leverages the deep learning engine for modeling, optimization, control and inverse problems in science and engineer. I will show a few examples in quantum physics research and discuss the future prospect of differentiable scientific computation.

欢迎大家参加！