

反问题理论与计算前沿报告 IMPLICIT BIAS IN DNN-BASED PDE SOLVERS

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Time: 2025年5月23日(周五), 10:30-11:30

Venue: 光华东主楼 1801

Abstract: In this talk, we first introduce the concept of implicit bias in deep learning. We then discuss the implicit biases present in commonly used neural network-based PDE solvers, offering new insights into the optimization and generalization of these algorithms. Finally, we present some data-driven approaches for solving multi-scale PDE problems and discuss the associated issues of implicit bias, optimization, and generalization.