

报告题目: Training Neural Networks and Mean-field Langevin dynamics II 报告人:任振杰博士(巴黎第九大学) 时间: 2020-12-22 星期二 20:30-21:30 地点: Zoom会议ID: 650 658 90871, 密码: 123456 报告摘要:

Following the last talk, we shall continue exploring the connection between the (deep) neural networks and the mean-field Langevin dynamics. By modelling the deep networks using a controlled dynamics, we view the training of the deep networks as solving the corresponding relaxed optimal control problems. Indeed, in an abstract framework, the relaxed optimal control problem can be considered as an optimization problem on the probability measure space with marginal constraint. Again, the mean-field Langevin dynamics turns out to be a natural tool to approximate the minimizer of such optimization.

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