



復旦大學
FUDAN UNIVERSITY

Applied Math Ph.D. Seminar

A universal trust-region method with improved complexity results

Speaker: Yuntian Jiang (Shanghai University of
Finance and Economics)

Time: 2026-10-29, 16:10 to 17:00

Location: Rm 1801, Guanghua East Tower

Advisor: Bo Jiang (Shanghai University of Finance
and Economics)

Abstract: This talk presents work on trust-region methods for smooth optimization. A new trust-region algorithm is developed that improves the theoretical performance of classical trust-region methods for convex problems. Furthermore, it is shown that acceleration techniques can be incorporated into trust-region-type methods.