



复旦大学数学科学学院 数学综合报告会

报告题目: On weighted H_p estimates for commutators

报告人: 伍火熊 教授 (厦门大学)

时间: 2021-05-29 星期六 10:00-11:00

地点: 光华楼东主楼1403

报告摘要:

Generally, the commutators of singular integrals and fractional integrals etc. with BMO functions are not bounded on Hardy spaces. However, for certain proper subspaces of BMO, the corresponding commutators can have well behaviors on the weighted Hardy spaces. In this talk, I'll present some recent results on the weighted H_p estimates for commutators of singular integrals and related operators with certain BMO functions, which include strongly singular integrals, fractional integrals, Marcinkiewicz integrals and variations associated to commutators of approximate identities.

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