



复旦大学数学科学学院 数学综合报告会

报告题目: Hilbert Modules of Complex Cohomology, Part III

报告人: Prof. Harald Upmeyer (德国马尔堡大学)

时间: 2025-12-31 星期三 16:00-17:00

地点: 光华楼东主楼 1801

报告摘要:

The final talk in this series will construct examples for Hilbert modules of cohomology, starting from the Narasimhan-Okamoto realization of the discrete series, but improving their presentation in a more conceptual manner. The holomorphic discrete series will of course be included as a basic example. Even for the unit ball (or rank 1) we obtain large classes of Hilbert modules beyond the holomorphic setting. If time permits, we also discuss the basic cases of higher rank symmetric domains, for example the unit ball of symmetric r -by- r matrices.

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