



## 复旦大学数学科学学院 数学综合报告会

报告题目: On the central derivatives of L-functions and modularity of Heegner cycles

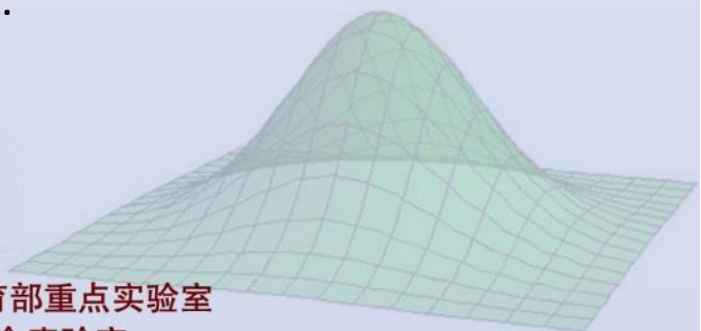
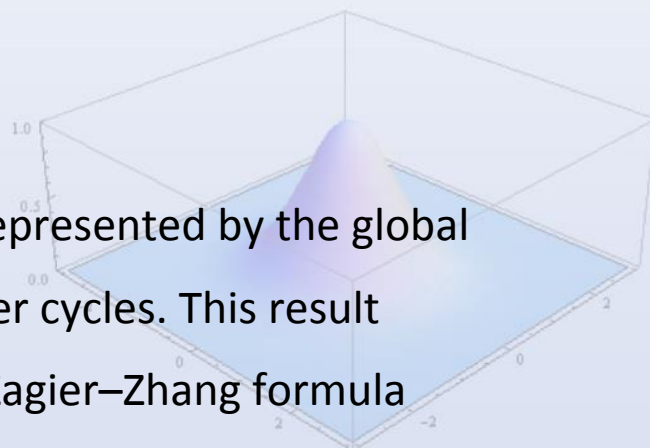
报告人: 杜托平 教授 (华北电力大学)

时间: 2026-05-15 星期五 16:00-17:00

地点: 光华东主楼1601

报告摘要:

The derivative of cusp forms can be represented by the global height pairing between higher Heegner cycles. This result provides a framework for the Gross–Zagier–Zhang formula and its generalizations. Furthermore, we investigate the modularity of the generating series of Heegner cycles, proving a weak version of the conjecture and reducing the full modularity to a vanishing conjecture.



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