



复旦大学数学科学学院 数学综合报告会

报告题目: **Modular forms and algebraic curves**

报告人: Professor Gerard van der Geer

(The University of Amsterdam, Netherlands)

报告时间: 2017-10-30 星期一 16:00—17:00

报告地点: 光华楼东主楼 1403

摘要: Modular forms play an important role in modern mathematics connecting analysis, number theory and geometry. In this talk I intend to explain what modular forms are and how they are connected with Riemann surfaces or algebraic curves. I intend to show that classical invariant theory yields an effective way to construct modular forms of higher genus.

My research on modular forms is joint work with Bergstroem, Clery and Faber.

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