



复旦大学数学科学学院 数学综合报告会

报告题目：**Quasiconformal surgery and linear differential equations**

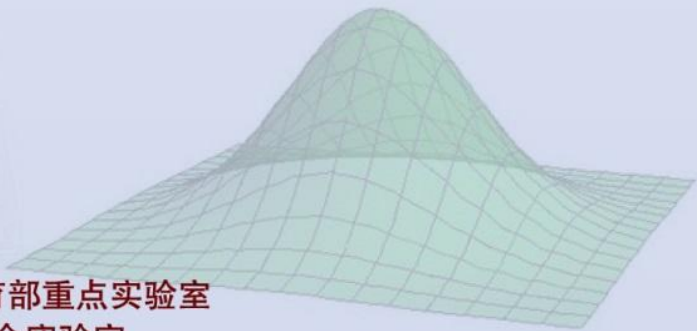
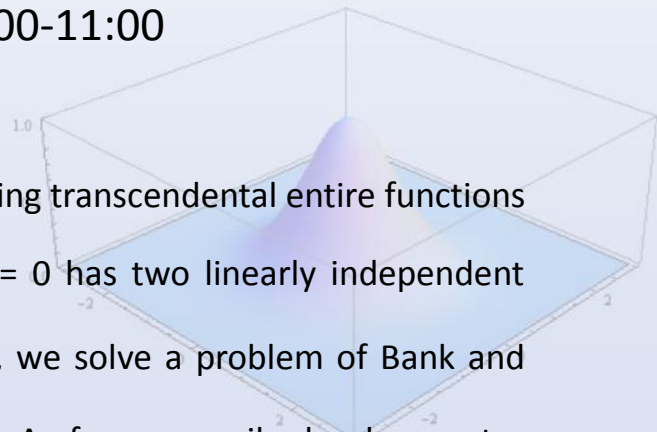
报告人：Walter Bergweiler

（德国基尔大学）

报告时间：2017-03-24 星期五 10:00-11:00

报告地点：光华东主楼 2001

摘要：We describe a new method of constructing transcendental entire functions A such that the differential equation $w'' + Aw = 0$ has two linearly independent solutions with relatively few zeros. In particular, we solve a problem of Bank and Laine by showing that there exist entire functions A of any prescribed order greater than $1/2$ such that the differential equation has two linearly independent solutions whose zeros have finite exponent of convergence.



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