



复旦大学数学科学学院 数学综合报告会

报告题目: Algebraic differential independence concerning the Riemann-zeta function and the Euler-gamma function

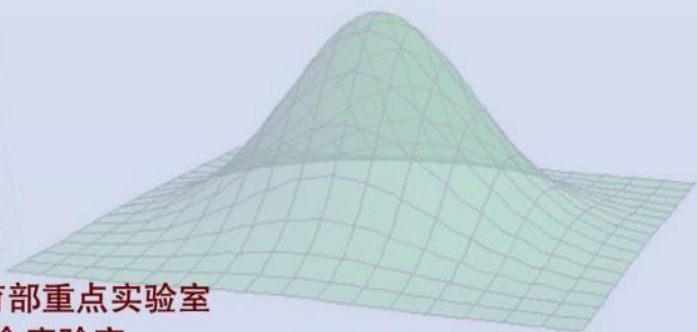
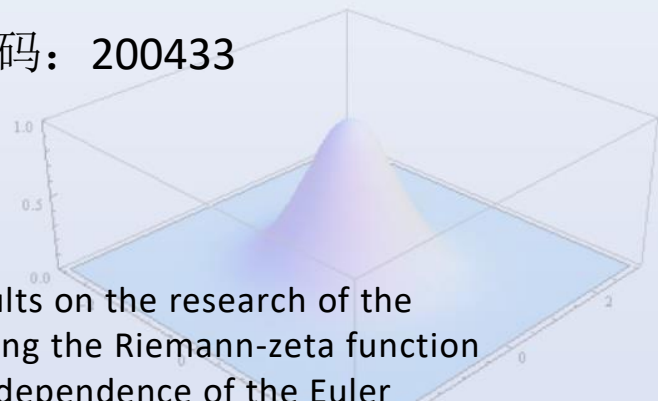
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时间: 2022-08-09 星期二 15:30 - 16:30

地点: 腾讯会议: 622 901 395, 密码: 200433

报告摘要:

In this talk, we present several recent results on the research of the algebraic differential independence concerning the Riemann-zeta function and the Euler-gamma function, difference independence of the Euler gamma function. We extended the result that does not satisfy any non-trivial algebraic differential equation whose coefficients are polynomials in over the field of complex numbers, which is proved by Li and Ye. We also established a sharp version of the difference analogue of the celebrated theorem concerning the differential independence of the Euler-gamma function.



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