



## 复旦大学数学科学学院 数学综合报告会

报告题目: Value distribution of  $q$ -differences of meromorphic functions in several complex variables

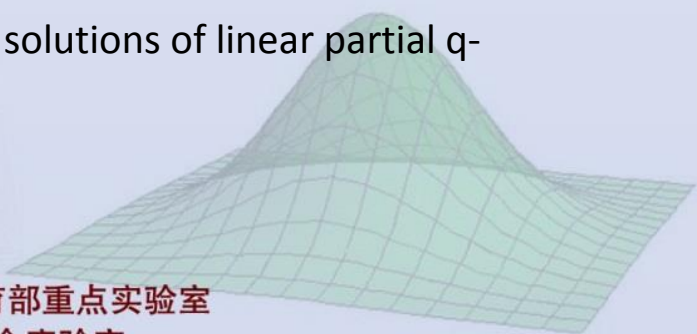
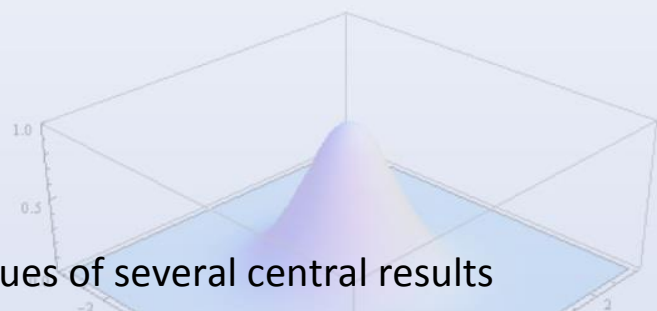
报告人: 曹廷彬 教授 (南昌大学)

时间: 2020-12-16 星期三 15:00-16:00

地点: 腾讯会议ID: 111219430

报告摘要:

In this paper, we study  $q$ -difference analogues of several central results in value distribution theory of several complex variables such as  $q$ -difference versions of the logarithmic derivative lemma, the second main theorem for hyperplanes and hypersurfaces, and a Picard type theorem. Moreover, the Tumura–Clunie theorem concerning partial  $q$ -difference polynomials is also obtained. Finally, we apply this theory to investigate the growth of meromorphic solutions of linear partial  $q$ -difference equations.



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