



复旦大学数学科学学院 数学综合报告会

报告题目：**The Topological Period-Index Problem over 8-Complexes**

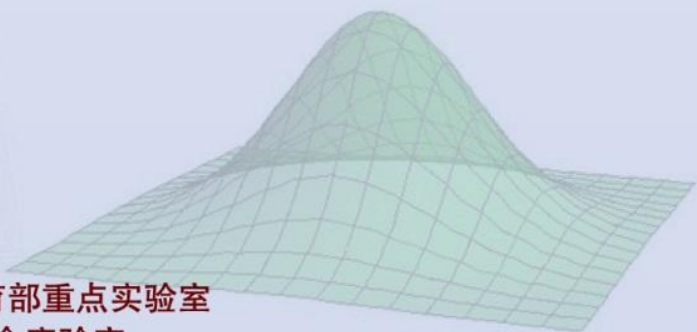
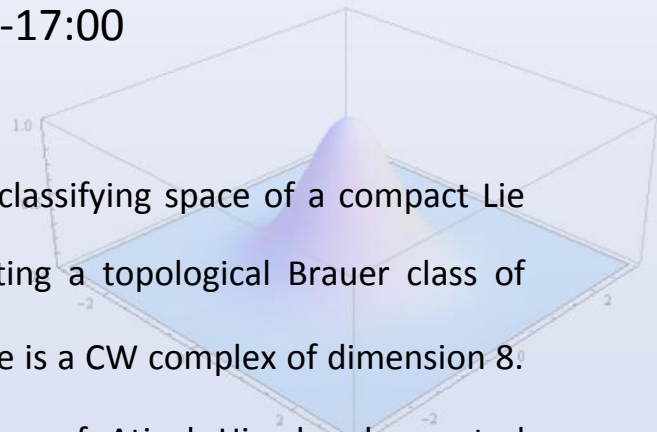
报告人：Dr. Xing Gu

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报告时间：2017-9-28 星期四 16:00-17:00

报告地点：光华东主楼 1801

摘要： We study the Postnikov tower of the classifying space of a compact Lie group $P(n;mn)$, which gives obstructions to lifting a topological Brauer class of period n to a $PUmn$ -torsor, where the base space is a CW complex of dimension 8. Combined with the study of a twisted version of Atiyah-Hirzebruch spectral sequence, this solves the topological period-index problem for CW complexes of dimension 8.



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