



复旦大学数学科学学院 数学综合报告会

报告题目: Group actions on homology 3-spheres

报告人: Professor Ian Hambleton (McMaster University)

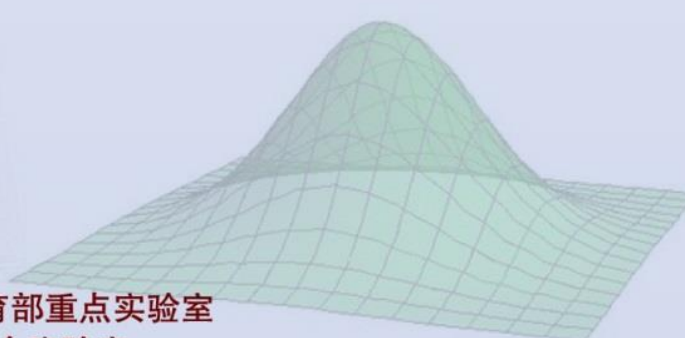
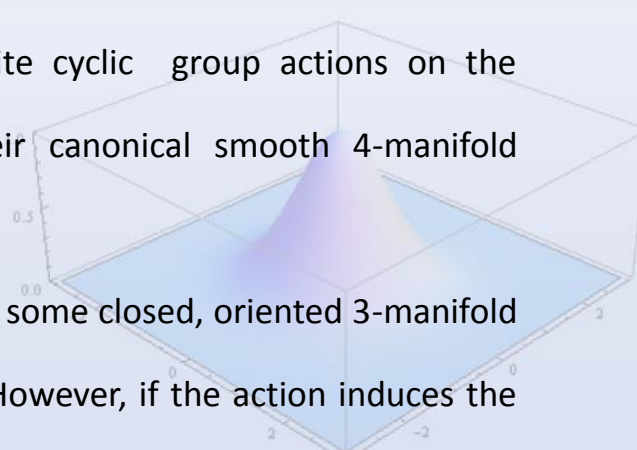
时间: 2017-12-03 星期日 9:30 -10:30

地点: 光华东主楼 2201

摘要: I will discuss the extension of free finite cyclic group actions on the Brieskorn integral homology 3-spheres to their canonical smooth 4-manifold resolutions. [joint with Nima Anvari]

Every finite group can act freely and smoothly on some closed, oriented 3-manifold M with the rational homology of the 3-sphere. However, if the action induces the identity on the integral homology of M , then new group theoretic restrictions arise.

[joint with Alejandro Adem]



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