



复旦大学数学科学学院 数学综合报告会

报告题目: **On CMC surfaces in 3-manifolds with nonnegative scalar curvature**

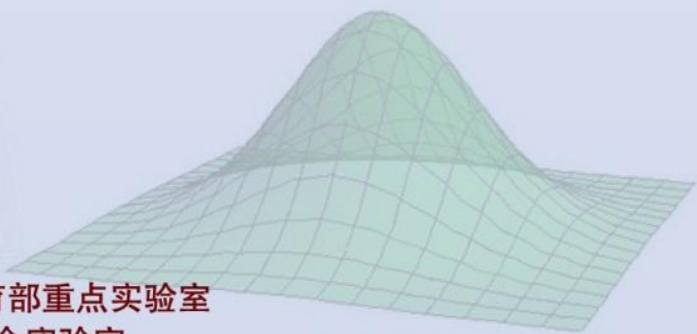
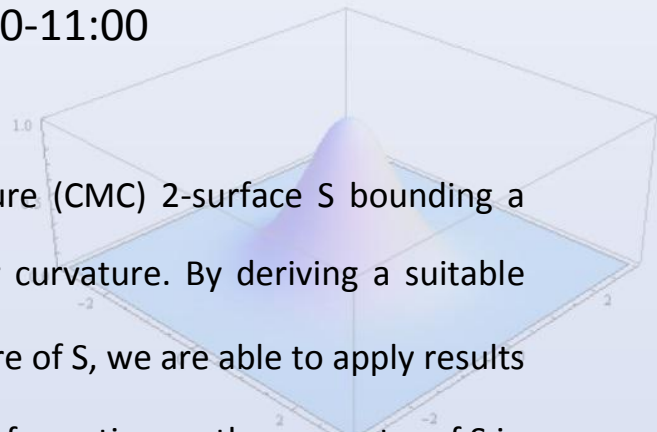
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报告时间: 2018-01-09 星期二 10:00-11:00

报告地点: 光华东主楼 1501

摘要: We consider a constant mean curvature (CMC) 2-surface S bounding a compact 3-manifold M with nonnegative scalar curvature. By deriving a suitable collar extension with nonnegative scalar curvature of S , we are able to apply results related to the positive mass theorem to obtain information on the geometry of S in M . This talk is based on joint work with Naqing Xie.



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