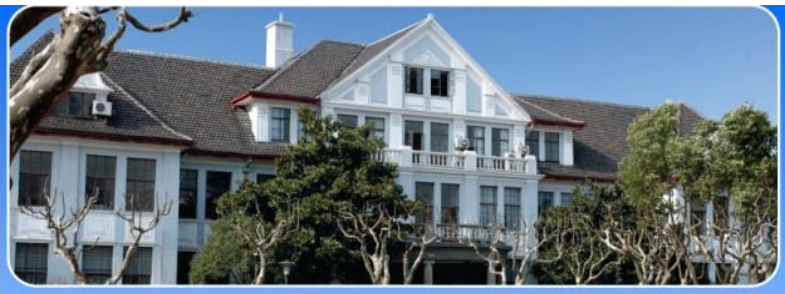


复旦大学数学科学学院
数学综合报告会

报告题目：**Generalized Ejiri's rigidity theorem for submanifolds in pinched manifolds**

报告人：顾娟如 博士

（浙江工业大学）

报告时间：2016-10-19 星期三 14:00-15:00

报告地点：光华东主楼 1403

摘要：In this talk, I will discuss the rigidity problem of the oriented compact submanifold M with parallel mean curvature in a complete simply connected Riemannian manifold with positive pinched curvature. We prove that there exists a constant δ(n,p) in the interval (0, 1) such that if the sectional curvature of N is pinched in [δ(n,p), 1], and if the Ricci curvature and the scalar curvature of M satisfy certain conditions, then N is isometric to Sn+p . Moreover, M can be completely classified. This is a joint work with Prof. Hongwei Xu and Dr. Li Lei.

非线性数学模型与方法教育部重点实验室
中法应用数学国际联合实验室
上海市现代应用数学重点实验室
复旦大学数学研究所