



## 复旦大学数学科学学院 数学综合报告会

报告题目: **A characterization of Clifford hypersurfaces**

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摘要: In this talk, we shall discuss the first eigenvalue of Jacobi operator on an  $n$ -dimensional non-totally umbilical compact hypersurface with constant mean curvature  $H$  in the unit sphere. An optimal upper bound for the first eigenvalue of Jacobi operator is obtained, which only depends on the mean curvature  $H$  and the dimension  $n$ . Thus, a characterization of Clifford hypersurfaces is given.

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