复旦大学数学科学学院
数学综合报告会

报告题目：Global well-posedness of skew mean curvature flow in high dimensions

报告人：黄佳习 (北京理工大学)

时间：2025-06-16 星期一 16:05-17:05
地点：光华东主楼2001

报告摘要：

The skew mean curvature flow is an evolution equation for d dimensional manifolds embedded in $\R^{d+2}$ (or more generally, in a Riemannian manifold). It can be viewed as a Schr\"odinger analogue of the mean curvature flow, or alternatively as a quasilinear version of the Schr\"odinger Map equation. In this talk, we will discuss the global well-posedness in Sobolev spaces for skew mean curvature flow. This is based on joint work with Ze Li and Daniel Tataru.
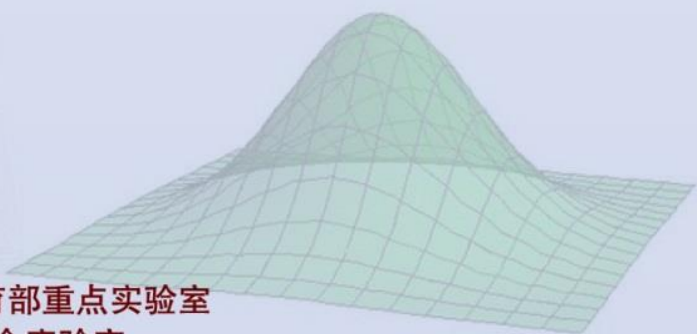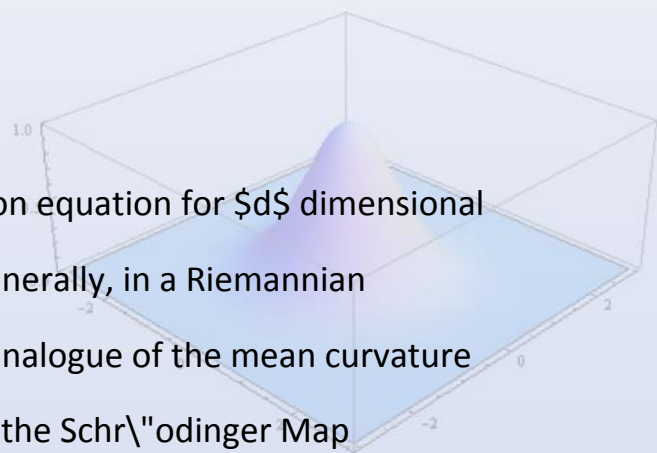
非线性数学模型与方法教育部重点实验室
中法应用数学国际联合实验室
上海市现代应用数学重点实验室
复旦大学数学研究所