



北京理工大学

数学与统计学院学术报告

Existence of mean curvature flow singularities with bounded mean curvature

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时间: 2023年11月1日(周三)下午14:00-15:00

地点: 文萃楼E1008

摘要: Huisken proved the compact mean curvature flow can be extended if $|A|^2$ is bounded. How about the mean curvature at the first singular time? Velazquez constructed the example for $n=2k \geq 8$ (codimension=1). It showed that $|A|^2$ blows up and $|H|^2$ may be bounded at the first singular time. In this talk, I will introduce our example for $n=\text{odd}$. I also introduce our progress in codimension 2 case..

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