



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

报告人: 韩小利 清华大学

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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..

个人简介: 韩小利，清华大学副教授，研究方向几何分析，主要研究平均曲率流及特殊拉格朗日子流形。相关结果发表于JEMS, IMRN, TransAMS, CVPDE, CMS, JMPA等国际期刊。