SCMS Seminar



NEW MINKOWSKI TYPE FORMULAS FOR FREE BOUNDARY HYPERSURFACES IN BALLS AND APPLICATIONS

Speaker: Chao Xia

Xiamen University

Lecture

Time: 16:30-17:30, Friday, Nov. 15, 2019

Venue: Room 102, Shanghai Center for Mathematical Sciences

Two applications will be given. On one hand, we use it to classify all stable capillary hypersurfaces in balls to be umbilical ones. On the other hand, we use it to define a class of locally constraint inverse type curvature flows and show a family of Alexandrov-Fenchel's inequalities for free boundary hypersurfaces in balls. The talk based on joint works with Guofang Wang and Julian Scheuer.

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