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Joint Geometric Analysis Seminar

Free boundary minimal hypersurfaces with least area

Mr. Zhichao Wang
Peking University

Abstract: In this talk, I will present a joint work with Q. Guang and X. Zhou where we prove the existence of least area free boundary minimal hypersurfaces in compact manifolds with boundary. Moreover, we characterize the orientation and index of such minimal hypersurface. As a consequence, it is exactly the min-max one corresponding to the fundamental class if the ambient manifold has non-negative Ricci curvature and convex boundary.

Date: 22 March 2018 (Thursday)
Time: 10:30 a.m. – 11:30 a.m.
Venue: Room 502A, Academic Building No.1
The Chinese University of Hong Kong, Shatin

All are Welcome!