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Joint Geometric Analysis Seminar

(Part of MIST 2018 Seminar Series)

Wrapped Floer Homology of Real Lagrangians and Volume Growth of Fibered Twists

Mr. Joon Tae Kim

Department of Mathematics
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Abstract: Fibered twists are certain symplectomorphisms that can be defined on a Liouville domain whose boundary has a periodic Reeb flow. We investigate an entropy-type invariant, called the slow volume growth, of the component of fibered twists and give a uniform lower bound of the growth using wrapped Floer homology. We apply our results to examples from real symplectic manifolds. They admit so-called real Lagrangians, and we compute wrapped Floer homology using Morse-Bott techniques. This is joint work with Myeonggi Kwon and Junyoung Lee.

Date: Thursday, 25 January 2018
Venue: Room 502A, Academic Building No.1,
The Chinese University of Hong Kong, Shatin
Time: 10:30 a.m. – 11:30 a.m.

All are Welcome!