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Seminar

Fillings of unit cotangent bundles of non-orientable surfaces

Prof. Youlin LI
Shanghai Jiao Tong University

Abstract

In this talk, we prove that any minimal weak symplectic filling of the canonical contact structure on the unit cotangent bundle of a non-orientable closed surface other than the real projective plane is s-cobordant rel boundary to the disk cotangent bundle of the surface. If the non-orientable surface is the Klein bottle, then we show that the minimal weak symplectic filling is unique up to homeomorphism. This is joint work with Burak Ozbagci.

Date: 2 June 2017 (Friday)
Time: 2:00 p.m. – 3:00 p.m.
Venue: Room 222, Lady Shaw Building, The Chinese University of Hong Kong

All are Welcome