Geometry Seminar

Floer-theoretic invariants for 3- and 4-manifolds

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Date: April 15, 2014 (Tuesday)

Time: 4:00 – 5:00pm

Venue: Room 210, Run Run Shaw Bldg., HKU

Abstract

Seiberg-Witten (Floer) theory, Ozsvath-Szabo's Heegaard Floer theory, Hutchings's Embedded Contact homology, in different stages of development, define (or are expected to define) systems of invariants for 3- and 4-manifolds (including manifolds with boundary and manifolds with certain types of corners). I will describe what are known about their relationship, and what are expected.

All are welcome