

abstract

Members Seminar
Topic:

Speaker:

Affiliation:

Date:

Time/Room:

Bordered Floer homology is an invariant for three-manifolds with boundary (or, more precisely, three-manifolds with parameterized boundary), constructed using pseudo-holomorphic curve techniques. The theory associates to a marked surface a differential graded algebra, and to a three-manifold whose boundary is identified with the surface a graded module over that algebra. Closed three-manifold invariants (a version of Heegaard Floer homology) can be computed via a "pairing theorem" which is formulated via a derived tensor product. This is joint work with Robert Lipshitz and Dylan Thurston.