

# The Oliver Club

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## ***Heegaard Diagrams and Holomorphic Disks***

*Heegaard Floer homology is an invariant for closed, oriented three-manifolds defined by counting holomorphic disks in an associated symplectic manifold. There is also a closely related knot invariant, knot Floer homology. I will describe recent progress in combinatorial calculations of some of these invariants, with a focus on the case of classical knots, along with some applications. The talk will include joint work with Ciprian Manolescu, Sucharit Sarkar, Andras Stipsicz, Zoltan Szabo, and Dylan Thurston.*

**Peter Ozsváth**

Columbia University

Refreshments will be served at 3:55 PM in the Mathematics Department lounge (532 Malott Hall).

Friday, May 2, 2008  
at 4:30 PM in 253 Malott Hall

