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Robert Lipshitz* (lipshitz@math.columbia.edu), 2990 Broadway, New York, NY 10025, and
Peter Ozsvath and **Dylan Thurston**. *Putting bordered Floer homology in its place.*

Bordered Floer homology is an extension of the Heegaard Floer invariant \widehat{HF} to 3-manifolds with parametrized boundary. It enjoys good properties with respect to gluing, and can be computed in many cases. In this talk we will discuss how similar structures occurring in related fields (including Khovanov homology, contact homology and Floer theory) led to bordered Floer homology. This is joint work with Peter Ozsvath and Dylan Thurston. (Received January 09, 2009)