1060-57-192 **Rumen Zarev*** (rzarev@math.columbia.edu), 509 Mathematics, MC 4406, 2990 Broadway, New York, NY 10027. *Link Floer homology via bordered sutured Floer homology.*

Link Floer homology, *HFL* is a powerful invariant of links in 3–manifolds, and can be considered a special case of the more genral sutured Floer homology *SFH*. The theory of bordered sutured Floer homology gives new ways of computing *HFL*, and investigating its properties. Given a link L in a 3–manifold Y, we can cut the link complement into pieces $Y_1, \dots, Y_n$. To these pieces we can associate bordered sutured invariants $BSD(Y_i)$, and use them to compute $HFL^-(Y, L)$ and $\widehat{HFL}(Y, L)$. This allows us to investigate how *HFL* behaves under small, local changes to the link. (Received March 30, 2010)