

On simplification of combinatorial link Floer homology

Anna Beliakova
(U. Zürich)

February 15, 2008

We define a new combinatorial complex computing the hat version of link Floer homology, which turns out to be simpler than Manolescu-Ozsvath-Sarkar one. We speculate that similar ideas can be used to define Seidel-Smith complex combinatorially and show that its homology coincides with Khovanov 's one.

1:00 p.m.
Math 507
Columbia University