1037-57-254 **Nadya Shirokova*** (`nadya@math.stanford.edu`), 450 Serra mall,bld.380, Palo alto, CA 94305.
The categorification of Birman-Lin theorem.

The theorem of Birman and Lin says that (after the substitution of variables) the nth coeffitient of the series decomposition of the Jones polynomial is invariant of finite type n. We construct the sequence of derived subcategories of the category of Khovanov complexes, a filtration, s.t. restricted to the nth term of the filtration, the Khovanov local system is of finite type n. (Received February 04, 2008)