1086-18-2943   **Benjamin Cooper*** (`benjamin.cooper@math.uzh.ch`) and **Matt Hogancamp**. *Higher order Jones-Wenzl Projectors and Mapping Class Groups.*

Higher order Jones-Wenzl projectors can be constructed within Khovanov's framework for the categorification of the Jones polynomial. Together they form exceptional collections which control the categories underlying Khovanov homology. As a consequence we obtain Postnikov decompositions of all tangle invariants and some relation to automorphisms of surfaces. (Received September 26, 2012)