Maciej Borodzik

Title: Khovanov and sl(N)-homology for periodic links

Abstract: I will describe the construction of a group action on Khovanov and sl(N)-homology of a periodic link. As an application, I will show a periodicity criterion from these theories. I will also discuss a relation of Khovanov homology of a periodic link and its quotient. This is an account of a joint work with Politarczyk, Silvero and Yozgyur.