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**Alexander N Shumakovitch\*** ([Shurik@gwu.edu](mailto:Shurik@gwu.edu)), Department of Mathematics, The George Washington University, Old Main, 1922 F St. NW, Room 102, Washington, DC 20052. *Long exact sequence for the Khovanov homology corresponding to the Jones skein relation of oriented links.* Preliminary report.

We introduce a long exact sequence for the Khovanov homology of oriented links that corresponds to the Jones skein relation and discuss its applications. Relations to the  $sl_n$  Khovanov-Rozansky homology are also considered. (Received August 15, 2006)