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Krzysztof K. Putyra and **Alexander N. Shumakovitch*** (shurik@gwu.edu), Monroe Hall, 2115 G St. NW, room 240, Department of Mathematics, The George Washington University, Washington, DC 20850. *Knot invariants arising from homological operations on Khovanov homology*. Preliminary report.

There are several homological operations that can be defined between even and odd Khovanov homology theories using the unified even/odd Khovanov homology theory developed by Putyra. We discuss these homological operations and show how they can give rise to new knot invariants with interesting properties. (Received September 23, 2014)