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Krzysztof K. Putyra and **Alexander N. Shumakovitch*** (shurik@gwu.edu), 801 22nd St. NW, Phillips Hall, Suite 739, Department of Mathematics, The George Washington University, Washington, DC 20052. *Unified Khovanov homology of homologically thin knots*. Preliminary report.

Unified Khovanov homology combines even and odd Khovanov homology theories into a single algebraic object that carries the structure of a module over the group ring $\mathbb{Z}\mathbb{Z}_2$. In this talk, we prove that the unified homology of homologically thin knots over \mathbb{Z}_2 is completely determined by their Jones polynomial and signature. The proof is based on the algorithm for computing the unified homology developed by the authors. (Received September 04, 2018)