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Bordered Floer homology and the Seifert form. Preliminary report.

We study the bordered Floer homology of the 3-manifold with boundary obtained by cutting S^3 along a Seifert surface Σ for a knot K . In particular, we show that this bordered invariant is a categorification of the Seifert form. This is joint work in progress with Sam Lewallen, Tye Lidman and Liam Watson. (Received September 23, 2012)