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**Stephan M. Wehrli\*** ([smwehrli@msri.org](mailto:smwehrli@msri.org)), Mathematical Sciences Research Institute, 17 Gauss Way, Office 304, Berkeley, CA 94720-5070, and **J. Elisenda Grigsby**. *On the relationship between sutured Khovanov homology and sutured Floer homology.*

In this talk, I will discuss a spectral sequence converging from a sutured version of Khovanov homology to the sutured Floer homology of a branched double-cover. I will show that certain algebraic structures on the Khovanov side (such as a weight space decomposition) correspond naturally to geometric structures on the sutured Floer side (e.g., an Alexander grading). I will also describe a relationship between the sutured Khovanov homology of a braid closure in a thickened annulus and bimodules over certain quiver algebras defined by Khovanov and Seidel. (Received March 30, 2010)