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Jennifer Hom* (hom@math.columbia.edu) and **Zhongtao Wu**. *Four-ball genus bounds and a refinement of the Ozsvath-Szabo tau-invariant.*

Based on work of Rasmussen, we construct a concordance invariant associated to the knot Floer complex, and exhibit examples in which this invariant gives arbitrarily better bounds on the 4-ball genus than the Ozsvath-Szabo tau-invariant.

This is joint work with Zhongtao Wu. (Received July 28, 2014)