

The Fukaya category of a log symplectic surface

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Floer theory and Fukaya categories constitute powerful invariants of symplectic manifolds. As a first step in the effort to extend these techniques to Poisson structures with degeneracies, I will present the construction of the Fukaya category for log symplectic Poisson structures on oriented surfaces, with a focus on the additional features of the theory arising from the degeneracy locus presented through the example of the log symplectic sphere.