## Combinatorial Floer theory for orientable log symplectic surfaces

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## (MIT)

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On general symplectic manifolds, the definition and computation of Floer cohomology come with a plethora of analytic challenges; however, upon restricting our study to real surfaces, these analytic difficulties go away and the problem becomes fully combinatorial.

In this talk, I will give a survey of the known construction of Lagrangian intersection Floer cohomology for symplectic surfaces, before explaining how to extend the theory to orientable log symplectic surfaces, as classified by Radko.