

Floer homology for singular lagrangians and homological mirror symmetry of $\mathbb{C}P^n$

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I will explain how to define a version of Floer homology for Lagrangians with conical singularities and how, in good situations, this construction leads to the definition of localised mirror functors which generalise those of Cho-Hong-Lau. Then I will apply this construction to find the mirror of the pair $(\mathbb{C}P^n, D)$ where $D = \{x_0 = 0\} \cup \{x_1 \dots x_n = x_0^n\}$. This is a joint work in progress with Georgios Dimitroglou Rizell.

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