

FAMILIES OF NON-DISPLACEABLE LAGRANGIANS IN SYMPLECTIC FIBRATIONS

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From our current point of view of symplectic topology, non-displaceable Lagrangians typically occur discretely in a given compact symplectic manifold, and there are only a handful of examples of Floer non-trivial Lagrangians in the literature that occur in families of dimension one or more. In this talk I will exhibit an n dimensional family of non-displaceable fibered Lagrangians in a symplectic fiber bundle over \mathbb{P}^n by deforming the symplectic form and computing Floer homological invariants that are defined in the fibration setting.