

Open-Closed Gromov-Witten theory and Floer homology

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Open-closed Gromov-Witten theory is a study of moduli space of bordered pseudo-holomorphic curve in a symplectic manifold that bounds Lagrangian submanifold(s). It plays an important role to connect Lagrangian Floer theory with (closed) Gromov-Witten theory. In this talk I want to explain some of the results obtained in Open-closed Gromov-Witten theory and its application to symplectic topology and Mirror symmetry.