

# **An Equivariant Gromov–Witten Theory and Quantum Kirwan Morphism**

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## **Abstract**

Symplectic reductions from compact Hamiltonian Lie group actions on symplectic manifolds are important examples in the study of symplectic topology and mirror symmetry. In my talk, I will explain a version of equivariant Gromov–Witten theory as a generalization of Givental’s in proving mirror conjecture. Then I will explain the corresponding quantum Kirwan morphism. This is an on-going project with Bohui Chen and Bai-Ling Wang.