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The convexity theorem for Hamiltonian actions on conformal symplectic manifolds

Consider a Hamiltonian action of a compact connected Lie group on a conformal symplectic manifold. We prove a convexity theorem for the moment map under the assumption that the action is of Lee type, which establishes an analog of Kirwans convexity theorem in conformal symplectic geometry. This is joint work with Youming Chen and Xiangdong Yang.