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Convexity properties of presymplectic Hamiltonian actions

I will present a generalization of the convexity theorem of Atiyah, Guillemin-Sternberg and Kirwan, to Hamiltonian Lie group actions on presymplectic manifolds. The result implies convexity theorems for actions on contact manifolds, cosymplectic manifolds, as well as certain symplectic "generalized manifolds". This is joint work with Yi Lin.