

---

**YI LIN**, University of Toronto, BA 6172, 40 St. George St., Toronto, Ontario, M5S 2E4  
*Hamiltonian actions on generalized complex manifolds and the equivariant  $\bar{\partial}\partial$ -lemma*

We first review the definition of Hamiltonian actions on generalized complex manifolds and present some non-trivial examples. Given a Hamiltonian action of a compact Lie group on a generalized complex manifold which satisfies the  $\bar{\partial}\partial$ -lemma, we show that there is an equivariant version of the  $\bar{\partial}\partial$ -lemma which is a direct generalization of the equivariant  $d_G\delta$ -lemma in symplectic geometry.