

Title: A generalization of the Bando-Mabuchi theorem to twisted Kahler-Einstein equations

Abstract: We use the method of geodesics in the space of Kahler metrics and our previous work on positivity of direct image bundles to give a new proof of the Bando-Mabuchi uniqueness theorem. This proof also gives a generalization stating uniqueness for equations of the type $\text{Ric}(\omega) = a\omega + (1-a)\theta$ where θ is a fixed current (satisfying some conditions).