

# Canonical metrics on reflexive sheaves

Li, Jiayu

University of Science and Technology of China  
E-mail: [jiayuli@ustc.edu.cn](mailto:jiayuli@ustc.edu.cn)

## Abstract

We will first recall the stability of vector bundles and Donaldson-Uhlenbeck-Yau theorem. Then we will talk about Bando-Siu's generalization of the DUY theorem to reflexive sheaves, i.e. the existence of canonical metrics on reflexive sheaves. Finally we prove the Bando-Siu conjecture which are joint work with Xi Zhang and Chuanjing Zhang.