

1134-53-190

Jeff Streets* (jstreets@uci.edu). *The Calabi-Yau equation in generalized Kahler geometry.*

Generalized Kahler geometry is a very natural extension of Kahler geometry with applications to mathematical physics. In this setting there is also a natural Calabi-Yau equation generalizing the classical Kahler version. I will introduce this equation and discuss the new PDE challenges this equation presents, some of which have been overcome. (Received September 04, 2017)