

1118-53-123

Tristan C. Collins* (tcollins@math.harvard.edu), **Adam Jacob** and **Shing-Tung Yau**. *The deformed Hermitian-Yang-Mills equation.*

The deformed Hermitian-Yang-Mills equation is a complexification of the Monge-Ampere equation which arises from Mirror Symmetry. I will discuss the existence of solutions to this equation, and state some conjectures relating existence to stability. (Received January 27, 2016)