

1099-58-167

Nikhil A Savale* (nsavale@nd.edu). *Asymptotics of the Eta Invariant.*

We prove an asymptotic bound on the eta invariant of a family of coupled Dirac operators on an odd dimensional manifold. In the case when the manifold is the unit circle bundle of a positive line bundle over a complex manifold, we obtain precise formulas for the eta invariant. (Received February 06, 2014)