

1154-22-351

Kayue Daniel Wong* (kayue.wong@gmail.com), **Dan Barbasch** and **Chao-ping Dong**. *On Dirac Cohomology for Complex Simple Lie Groups.*

Dirac cohomology is closely related to many aspects in representation theory, including (\mathfrak{g}, K) -cohomology and automorphic forms. In this talk, we will give a complete description of all irreducible, unitary representations with nonzero Dirac cohomology for complex classical Lie groups. We will also give some ideas on how these results can be extended to exceptional Lie groups.

This is a joint work with Dan Barbasch and Chao-ping Dong. (Received September 01, 2019)