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Representation and Number Theory Seminar

Some Comments on the Structure of the Unitary Dual

by

Professor Lucas Mason-Brown
University of Oxford

Abstract:

Let G be a real reductive Lie group. The set of irreducible unitary G-representations is one of the most mysterious objects in representation theory. Although this set has been computed in various special cases, the problem of providing a *uniform* description is unsolved. In this talk, I will sketch a conjectural description of this set in the case when G is complex. This talk is partially based on joint work with Ivan Losev, Dror Bar-Natan.

Date   :   29 November 2022 (Tuesday)
Time   :   4:00pm – 5:00pm (Hong Kong SAR)
Zoom link   :
https://cuhk.zoom.us/j/97838822137?pwd=ZTVvSC9abmNjR3RCcS9FTzJNTVhXdz09
Meeting ID   :   978 3882 2137
Passcode   :   sesame

All are Welcome