



Department of Mathematics
The Chinese University of Hong Kong

For Favour of Posting

數學系
香港中文大學

Phone: (852) 3943 7988-9 • Fax: (852) 2603 5154 • Email: dept@math.cuhk.edu.hk
Rm. 220, Lady Shaw Building, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong

Seminar

Applications of Higher Determinant Map

by

Dr. Aron Heleodoro

The University of Illinois at Urbana-Champaign

Abstract:

In this talk I will sketch the construction of a determinant map for Tate objects and show two of its possible applications. The first is to construct central extensions of iterated loop groups and the second is to recover the notion of "determinantal" theory on reasonable ind-schemes. For the second application we will need a detour in the theory of Tate-coherent sheaves.

Date : November 25, 2020 (Wednesday)

Time : 9:00 am – 10:00am (Hong Kong SAR)

Zoom link :

<https://cuhk.zoom.us/j/97838822137?pwd=ZTVvSC9abmNjR3RCcS9FTzJNTVhXdz09>

Meeting ID : 978 3882 2137

Passcode : sesame

All are Welcome