

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research  
Department of Mathematics*

## GEOMETRY SEMINAR

### Applications of higher determinant map

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#### 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: October 25, 2021 (Monday)

Time: 4:00 – 5:00pm (Hong Kong Time)

Venue: Room 210, Run Run Shaw Bldg., HKU  
and

ZOOM: <https://hku.zoom.us/j/>

Meeting ID: 934 7325 9365



Attendance limited  
Register Now

*All are welcome*