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# Representation and Number Theory Seminar

## (A Toy Model of Shtukas)

*by*

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### Abstract:

In this talk, we introduce a toy model of shtukas and study moduli spaces of toy shtukas. In particular, we determine the space of principal horospherical divisors on the moduli spaces. As an application, we obtain analogues of modular units on the moduli stack of Drinfeld shtukas. This gives an explicit version of the Manin-Drinfeld theorem for function fields.

Date : December 7, (Tuesday)

Time : 9:00am – 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*