Department of Mathematics
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## DEPARTMENT OF MATHEMATICS
## City University of Hong Kong

# Affine restriction estimates for surfaces in R^3 via decoupling

## by

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**Date: 17 January 2023 (Thursday)**
**Time: 5:00 – 5:50 pm**
**Venue: Y5-205 Yeung Kin Man Academic Building**

### ABSTRACT

We will discuss some L^2 restriction estimates for smooth compact surfaces in R^3 with affine surface measure and certain powers thereof. The primary tool is a decoupling theorem for these surfaces. The results are also uniform for polynomial surfaces of bounded degrees and coefficients. Some of the results we will discuss are joint with Tongou Yang.

*~ALL ARE WELCOME~*