



**The Hong Kong University of Science and Technology**

**Department of Mathematics**

**Research Talk**

**Primes and Polynomials in Short Intervals**

by

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**Abstract**

I will discuss a classical problem in Number Theory concerning the distribution of primes in short intervals and explain how an analogue of this problem involving polynomials can be solved by evaluating certain matrix integrals. I will also explain a generalisation to other arithmetic questions with a similar flavour.

***Date: Wednesday, 18 April 2018***

***Time: 4:00p.m. - 5:00p.m.***

***Venue: Room 1504, Academic Building  
(near Lifts 25&26), HKUST***

***All are welcome!***