

WILLIAM BENTER DISTINGUISHED LECTURE SERIES

**A Series of Distinguished Lectures in Pure and Applied Mathematics
organized by**

**Liu Bie Ju Centre for Mathematical Sciences
City University of Hong Kong**

Primes and Polynomials in Short Intervals

by

Professor Jon Keating

University of Bristol

Fellow of the Royal Society of London

Henry Overton Wills Professor of Mathematics



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 : Monday, 16 April 2018

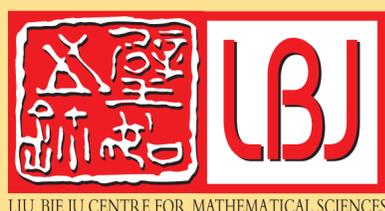
Time : 16:30

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