



GRADUATE SEMINAR ANNOUNCEMENT

On The Bouniakowsky Conjecture And The Roots Of Polynomials To Prime Moduli



Mr. Timothy Foo

Division of Mathematical Sciences,
School of Physical and Mathematical Sciences,
Nanyang Technological University

Date : 2 April 2009 (Thursday)
Time : 4.30 pm – 5.30 pm
Venue: SPMS-Executive Classroom 1, MAS-03-06
School of Physical and Mathematical Sciences

This talk relates the conjecture that an irreducible polynomial with integer coefficients represents infinitely many primes, to the way roots of a polynomial to prime moduli, suitably normalized, are located in the unit interval $(0,1)$. The conjecture is known as the Bouniakowsky conjecture and a more general form is Schinzel's Hypothesis H. Various theorems are known in regards to the roots of polynomials to integer moduli. Equidistribution has been proven for quadratic polynomials to prime moduli by Duke, Friedlander, Iwaniec, and Toth, and for any irreducible polynomial to integer moduli by Hooley.

Host: Prof. Zhao Liangyi, Division of Mathematical Sciences, School of Physical and Mathematical Sciences

Queries to: Prof. Zhao Liangyi, lyzhao@ntu.edu.sg, Tel: 6513 7456

SCHOOL OF PHYSICAL AND MATHEMATICAL SCIENCES

NANYANG TECHNOLOGICAL UNIVERSITY
SPMS-MAS-03-01, 21 NANYANG LINK, SINGAPORE 637371
FAX: +65 6515 8213 TEL: +65 6513 7423