

中央研究院數學研究所

Institute of Mathematics, Academia Sinica

Taipei Postdoc Seminar

Speaker : 何遼 博士 Dr. Liao He (本所 Academia Sinica)

Title : *Enumeration of convex polytopes*

Abstract :

The enumeration of convex polytopes is a very old problem which could probably have its origin in Euler's famous theorem concerning the number of vertices, edges and faces of three dimensional polytopes. It is hard to characterize the face enumeration of general polytopes. But for simplicial polytopes, it is done in the so-called g-theorem, conjectured by McMullen in 1970, and proved by Billera, Lee and Stanley. In this talk, we would like to present some backgrounds and progress of this theorem.

Time : 11:00 – 12:30, Wednesday, December 14, 2016

Venue : Room 638, Astro-Math. Building (NTU Campus)

Organizer : Yu-Yen Chien (NCTS), Jyun-Ao Lin (Academia Sinica)

Refreshment : 10:30

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