THE UNIVERSITY   **OF HONG KONG**

Institute of Mathematical Research
Department of Mathematics

Geometry Seminar

Bounded plurisubharmonic exhaustion function and equivalence of invariant metrics on Teichmüller spaces

Professor Sai-Kee YEUNG
Purdue University, USA

Abstract

We would construct a smooth bounded strictly plurisubharmonic exhaustion function on a Teichmuller space and explain its geometric consequences. Then we would use the relevant constructions to prove the quasi-isometry of all the complete invariant Finsler or Riemannian metrics on the Teichmüller space that are known to us.

Date:	**July 15, 2004 (Thursday)**
Time:	**4:00 – 5:00pm**
Place:	**Room 517, Meng Wah Complex**

All are welcome