

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research
Department of Mathematics*

MINI LECTURE SERIES

Relative Noether inequality on algebraic and arithmetic varieties

Dr. Zhang Tong

University of Alberta, Canada

Abstract

In these lectures, I will introduce a relative version of the classical Noether inequality for algebraic surfaces of general type. I will talk about some applications of this inequality for algebraic varieties. Then I will talk about how to get an arithmetic Noether inequality for arithmetic surfaces in the setting of Arakelov geometry.

Lecture 1:	January 26, 2015 (Monday) 3:00 - 4:30pm
Lecture 2:	January 27, 2015 (Tuesday) 3:00 - 4:30pm

Room 210, Run Run Shaw Bldg., HKU

All are welcome