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.

<table>
<thead>
<tr>
<th>Lecture 1:</th>
<th>January 26, 2015  (Monday) 3:00 – 4:30pm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture 2:</td>
<td>January 27, 2015  (Tuesday) 3:00 – 4:30pm</td>
</tr>
</tbody>
</table>

Room 210, Run Run Shaw Bldg., HKU

All are welcome