



*Institute of Mathematical Research
Department of Mathematics*

LECTURE SERIES

Singularities and adjoint linear systems

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Abstract

In recent years, by the work of Birkir- Cascini- Hacon- McKernan and Siu, there are some spectacular progresses in the higher dimensional birational geometry. In these lectures, we would give an introduction to the minimal model program. In particular, we would give an introduction to the singularity theory that is needed in running the minimal model program. We would also give an introduction to the recent proof of Lazic on the finite generation of the adjoint rings, which simplified the original proof of Birkir-Cascini-Hacon- Mckernan.

Lecture 1:	October 4, 2012 (Thursday) 4:00 - 5:30pm
Lecture 2:	October 5, 2012 (Friday) 4:00 - 5:30pm
Lecture 3:	October 8, 2012 (Monday) 4:00 - 5:30pm
Lecture 4:	October 9, 2012 (Tuesday) 4:00 - 5:30pm

Room 210, Run Run Shaw Bldg., HKU

All are welcome