

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research
Department of Mathematics*

GEOMETRY SEMINAR

A Milnor-Wood inequality for complex hyperbolic lattices in quaternionic space

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Abstract

We prove an inequality of Milnor - Wood type for representations of a lattice in complex hyperbolic space in the group of isometries of quaternionic hyperbolic space. The case of equality has applications to rigidity questions. It gives global rigidity theorems that are related to recent local rigidity results of Kim-Pansu and Klingler. This is joint work with Oscar Garcia Prada.

Date: March 22, 2010 (Monday)

Time: 4:00 - 5:00pm

Place: Room 210, Run Run Shaw Bldg., HKU

All are welcome