

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research
Department of Mathematics*

COLLOQUIUM

The mathematics of juggling

Professor Allen Knutson
Cornell University, USA

Date: October 7, 2011 (Friday)

Time: 4:00 – 5:00pm

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

Abstract

Around 1985 three groups of jugglers independently invented the same notation for juggling patterns. I'll explain this system and demonstrate many examples.

Then I'll define a way of associating a juggling pattern to a matrix. The resulting stratification of the space of matrices has shown up recently in positive-real geometry, characteristic p geometry, and noncommutative geometry.

All are welcome