THE UNIVERSITY   **OF HONG KONG**

Institute of Mathematical Research
Department of Mathematics

Number Theory Seminar

On the exceptional sets of integral quadratic forms

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Date:	March 26, 2024 (Tuesday)
Time:	4:00 – 5:00pm
Venue:	Room 210, Run Run Shaw Bldg., HKU

Abstract

A collection S of equivalence classes of positive definite integral quadratic forms in n variables is called an n-exceptional set if there exists a positive definite integral quadratic form which represents all equivalent classes of positive definite integral quadratic forms in n variables except those in S. In this talk, I will describe a joint work with Byeong-Kewon Oh which shows that for any given positive integers m and n, there is always an n-exceptional set of size m and there are only finitely many of them.

All are welcome