THE UNIVERSITY   **OF HONG KONG**

Institute of Mathematical Research
Department of Mathematics

COLLOQUIUM

Fourier coefficients of modular forms of half-integral weight: old and new results

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Abstract

We will survey old and more recent results on Fourier coefficients of cusp forms of half-integral weight, including Shimura's lifting theorem and Waldspurger's results, sign changes and a characterization of cusp forms by the growth of their squarefree Fourier coefficients. No pre-knowledge of modular forms will be needed.

Date:	**August 15, 2017 (Tuesday)**
Time:	**4:10 – 5:10pm**
Venue:	**Room 210, Run Run Shaw Bldg., HKU**

All are welcome