

THE UNIVERSITY



OF HONG KONG

Department of Mathematics

## Seminar

# Asymptotic Behaviour of a Lambert Series In Maass Case

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Date: December 8, 2017 (Friday)

Time: 3:30 – 4:30pm

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

### Abstract

Hafner and Stopple proved a conjecture of Zagier on the asymptotic expansion of a Lambert series involving Ramanujan's tau function with the main term involving the nontrivial zeros of Riemann zeta function. Recently, Chakraborty et. al. have extended this result to any cusp forms over the full modular group. The aim here is to study the asymptotic behaviour of a similar Lambert series involving the coefficients of Maass cusp forms over the full modular group.

*All are welcome*