# Number Theory Seminar

## On sign changes of Fourier coefficients of quotients of the Dedekind eta function

### Professor Meenu

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| Date: | July 5, 2024 (Friday) |
| Time: | 1:00 – 2:00pm |
| Venue: | Room 210, Run Run Shaw Bldg., HKU |

**Abstract**

We study the sign changes of Fourier coefficients of modular form $f(z) = \frac{\eta(z)}{\eta(2z)^2 \eta(3z)^3}$ of weight $-2$, where $\eta$ is a Dedekind eta function, using combinatorial approach and circle method. The talk is based on an ongoing work with B. Kane.

*All are welcome*