

## The 7th East Asia Number Theory Conference

*Reformulation of the Siegel series and mod  $p$  intersection numbers*

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10:10 - 11:00

101, Mathematics Research Center Building (ori. New Math. Bldg.)

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The Siegel series is defined to be the local factor of the Fourier coefficient of the Siegel-Eisenstein series. This is a crucial ingredient to compare it with the local intersection multiplicity in Kudla's program.

In this talk, I will explain a reformulation of the Siegel series conceptually. I will then explain its application to mod  $p$  intersection numbers. This is based on a joint work with T. Yamauchi.

