

## The 7th East Asia Number Theory Conference

*The mass formula for unimodular Hermitian lattices*

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10:10 - 11:00

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

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The mass of a genus of lattices is a suitable weighted sum of isomorphism classes within it. Hashimoto and Koseki gave an explicit formula for the mass of the genus of the standard Hermitian lattice over any imaginary quadratic field.

In this talk, we attempt to extend the work of Hashimoto and Koseki from the standard lattice to general positive definite unimodular Hermitian lattices.

This is joint work with Chia-Fu Yu.



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