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*Automorphic multiplicity formulas for inner forms of  $SL_n$*

In 2012, Hiraga and Saito proved Arthur's multiplicity formula for cuspidal automorphic representations of inner forms of  $SL_{n,1}$ , up to an indeterminate constant. Their method of proof utilized the stable trace formula, among other tools.

In this talk, we discuss a strategy to canonicalize Hiraga and Saito's result, effectively removing the indeterminate constant in their work. We use the example of  $n = 2$  to illustrate this strategy.