

EQUIVARIANT FORMS

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ABSTRACT. In this talk I will introduce the notion of an equivariant form on the modular group $SL_2(\mathbb{Z})$ and its subgroups and provide fundamental examples. I will also show how these functions are connected with classical objects. Results from this correspondence are then used to define a vector space structure on the set of equivariant forms. Finally, I will give some applications of equivariant forms. This is joint work with A. Sebbar.