



Mathematics > Number Theory

Ramanujan type congruences for modular forms of several variables

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We give congruences between the Eisenstein series and a cusp form in the cases of Siegel modular forms and Hermitian modular forms. We should emphasize that there is a relation between the existence of a prime dividing the k -th generalized Bernoulli number and the existence of non-trivial Hermitian cusp forms of weight k . We will conclude by giving numerical examples for each case.

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