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On the Universal Mock Theta Function g_2 and Zwegers' μ -function

S.-Y. Kang discovered a formula expressing the universal mock theta function g_2 in terms of Zwegers' μ -function and a theta quotient. By modifying the elliptic variables in μ the theta quotient can be removed from Kang's formula. We also obtain a formula expressing μ in terms of g_2 , proving that μ is not more general than g_2 , even though it has one more elliptic variable.