1063-11-106   **Paul Jenkins*** (`jenkins@math.byu.edu`), BYU Mathematics Department, 275 TMCB, Provo, UT 84602. *Coefficient congruences for weakly holomorphic modular forms of integral weight.*
Ramanujan showed that the coefficients $\tau(n)$ of Δ satisfy $\tau(pn) \equiv 0 \pmod{p}$ for $p = 2, 3, 5$. Similarly, Lehner proved that the coefficients $c(n)$ of the modular j-function satisfy the congruence $c(2^a 3^b 5^c 7^d n) \equiv 0 \pmod{2^{3a+8} 3^{2b+3} 5^{c+1} 7^d}$. We discuss congruences of this type for coefficients of weakly holomorphic modular forms of integral weight. (Received August 10, 2010)