

Given a polynomial F in the j function, Ahlgren, Ono, and Guerzhoy have demonstrated necessary and sufficient conditions for the existence of another polynomial G in $j(z)$ so that $F|U_p$ is congruent to $G \pmod{p}$. We consider similar U_p congruences modulo powers of primes. We also consider other interesting p -adic properties of weight 0 modular functions.