1067-11-2028 Randy J Heaton* (randy.heaton@gmail.com), 1816 Meriadoc, Tallahassee, FL 32303. Congruences Between Spaces of Cuspidal Modular Forms.
A prime p is said to be a congruence prime linking two spaces of cuspidal modular forms X and Y if there exist two cusp forms, $f \in X$ and $g \in Y$, such that the Fourier coefficients of f and g are all congruent modulo p . We describe research to date on the problem and discuss a novel approach. (Received September 22, 2010)

