

1014-11-1225 **Scott Ahlgren*** (ahlgren@math.uiuc.edu), Department of Mathematics, University of Illinois,
1409 W. Green St., Urbana, IL 61801, and **Mugurel Barcau**. *The Fricke involution and
congruences for modular forms of weight four.*

In a recent paper, Calegari and Stein make a number of conjectures related to their study of discriminants of Hecke algebras. We prove one of these conjectures, which has to do with mod p congruences between modular forms of weight four and the derivatives of modular forms of weight two. (Received September 27, 2005)