1023-11-693 **Lloyd J Kilford*** (`l.kilford@gmail.com`), Mathematical Institute, 24–29 St Giles', Oxford, OX1 4JD, England. *Explicit computations of Hecke operators on automorphic forms.*

We will give a brief introduction to quaternionic modular forms, and present the results of explicit computations relating quaternionic and classical modular forms of weight 1 (using a form of the Jacquet-Langlands correspondence). This is joint work with Kevin Buzzard. (Received September 20, 2006)