1085-11-54   **Robert Osburn*** (`robert.osburn@ucd.ie`), School of Mathematical Sciences, University College Dublin, Belfield, Dublin, 4, Ireland, and **Jeremy Lovejoy** (`lovejoy@liafa.jussieu.fr`), LIAFA, Universite Denis Diderot-Paris 7, Case 7014, 75205 Paris Cedex 13, 75205 Paris, France. *The mixed mock modularity of q-hypergeometric series.*

Mixed mock modular forms are functions which lie in the tensor space of mock modular forms and modular forms. They have recently appeared in a wide variety of areas such as characters arising from affine Lie superalgebras, the quantum theory of black holes and q-series and partitions. We discuss various ways to produce individual examples and infinite families of q-hypergeometric series which are mixed mock modular forms. This is joint work with Jeremy Lovejoy (Paris 7). (Received August 24, 2012)