1027-05-199   **Dennis Stanton*** (`stanton@math.umn.edu`), School of Mathematics, University of Minnesota, 206 Church St SE, Minneapolis, MN 55455. *t-analogues of principally specialized Schur functions.* Preliminary report.

Macdonald defined finite field analogues of Schur functions by considering invariants over finite fields. When principally specialized, these polynomials may be considered over the integers yielding, for example, (t,q)-versions of binomial coefficients. Several natural properties of these (t,q)-versions will be proven and others are conjectured. As an application of these ideas, a q-analogue of a classical partition theorem will be given. (Received February 26, 2007)