1018-11-232   **Matthew G. Boylan*** (`boylan@math.sc.edu`), Mathematics Department, University of South Carolina, 1523 Greene Street, Columbia, SC 29208. *Indivisibility of p(n) mod 3 in arithmetic progressions.* Preliminary report.

We use mod 3 modular Galois representations to show that there is a value of p(n), the ordinary partition function, indivisible by 3 in every arithmetic progression mod every power of 3. (Received March 07, 2006)