

1145-11-1609

James A Sellers* (jxs23@psu.edu). *Congruences related to an eighth order mock theta function of Gordon and McIntosh.*

In recent years, congruences for a number of partition functions related to mock theta functions have been proven by various authors. In this work, we consider arithmetic properties of a partition function related to an eighth order mock theta function of Gordon and McIntosh. Via elementary generating function manipulations, a complete characterization of the parity of this function, as well as several additional divisibility properties, will be presented. (Received September 23, 2018)