1145-11-1832 **Hannah E Burson*** (`hburso2@illinois.edu`). *Combinatorics of some second-order mock theta functions.*

In 2007, Richard McIntosh found identities uniting two families of second order mock theta functions. In this talk, we introduce new partition theoretic interpretations of $A(q)$ and $B(q)$, two of the mock theta functions studied by McIntosh. By considering refinements of the partition functions in these interpretations, we provide a bijective proof of a new 4-variable generalized second order mock theta function identity. This generalized identity contains known identities involving $A(q)$ and $B(q)$ as special cases. (Received September 24, 2018)