

1125-05-971 **Ali Kemal Uncu*** (akuncu@uf1.edu), 704 SW 16th Ave, 306, Gainesville, FL 32601. *Weighted Partition Results Inspired by Nathan Fine's False Theta Identities.*

We utilize results of Nathan Fine to discover new partition identities involving weights. These relations connect Göllnitz–Gordon type partitions and partitions with distinct odd parts, partitions into distinct parts and ordinary partitions, respectively. Some of these weights involve new partition statistics. One example of such statistics is the number of different odd parts of a partition larger than or equal to a given value. We later will mention another weighted partition identity in the same spirit emerging from Ramanujan's work as the time permits. (Received September 13, 2016)