

Meeting: 1004, Bowling Green, Kentucky, AMS CP 1, Session for Contributed Papers

1004-05-55 **George Grossman*** (gross1gw@cmich.edu), Department of Mathematics, Pearce Hall 208,
Central Michigan University, Mt. Pleasant, MI 48859, and **Akalu Tefera** and **Aklilu Zeleke**. *On
proofs of certain combinatorial identities.*

In this paper we present identities used to represent real numbers of the form $xu^m \pm yv^n$ for appropriately chosen real numbers x , y , u , v and non-negative integers m and n . The Wilf-Zeilberger (WZ) method is used to prove the identities. (Received January 13, 2005)