1014-05-559   **Akalu Tefera*** (`TeferaA@gvsu.edu`), Grand Valley State University, Department of Mathematics, Allendale, MI 49401, **Aklilu Zeleke** (`zeleke@stt.msu.edu`), Lyman Briggs School and Department of Statist, Michigan State University, East Lansing, MI 48824, and **George Grossman** (`gross1gw@cmich.edu`), Department of Mathematics, Central Michigan University, Mount Pleasant, MI 48859. *On Proofs of Certain Combinatorial Identities.*

In this talk we present combinatorial identities that give representation of positive integers as linear combination of even powers of 2 with binomial coefficients. We present side by side combinatorial as well as computer generated proofs using the Wilf-Zeilberger (WZ) method. (Received September 20, 2005)