

**Meeting:** 1006, Lubbock, Texas, SS 5A, Special Session on Recent Advances in Complex Function Theory

1006-33-81            **Kendall C Richards\*** ([richards@southwestern.edu](mailto:richards@southwestern.edu)), PO Box 7394, Southwestern University,  
Georgetown, TX 78626. *Sharp Power Mean Bounds for the Hypergeometric Function  ${}_2F_1$ .*

Power mean bounds for the Gaussian hypergeometric function are discussed. These generalize known inequalities for the complete elliptic integral and the hypergeometric mean. (Received February 07, 2005)