Meeting: 1003, Atlanta, Georgia, AMS CP 1, AMS Contributed Paper Session

Broderick Oluyede\* (boluyede@GeorgiaSouthern.edu), Department of Mathematical Sciences, Georgia Southern University, Statesboro, GA 30458. on dispersive, stochastic inequalities and comparisons of the cauchy, gauss and logistic distributions.

Some dispersive, stochastic inequalities and comparisons including characterizations of the Cauchy, logistic and normal distributions are presented. These results shed further insight into these distributions and lead to a necessary and sufficient condition for the dispersive and stochastic ordering of the absolute random variables. (Received October 05, 2004)