

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

1003-60-1597 **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)