

1046-62-483

Broderick Oluyede* (boluyede@georgiasouthern.edu), Department of Mathematical Sciences, Georgia Southern University, Statesboro, GA 30460, and **Norou Diawara**, Department of Mathematics and Statistics, Old Dominion University, Norfolk, VA 23529. *On Mean Advantage Over Inferiors Ordering and Weighted Distributions.*

In this note, some fundamental results on the mean advantage over inferiors functions and weighted distribution functions are established. Ordering of reliability and/or distribution functions via mean advantage over inferiors functions and related functions for parent and weighted reliability functions are presented. Some applications and examples are given. (Received September 04, 2008)