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GENERALIZED ORDER STATISTICS OF DOUBLY TRUNCATED LINEAR EXPONENTIAL DISTRIBUTION AND A CHARACTERIZATION

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SUMMARY

In this paper we give some recurrence relations satisfied by single and product moments of generalized order statistics from doubly truncated linear exponential distribution. These relations are then deduced for moments of record values and order statistics. Further, the recurrence relation for single moments of generalized order statistics has been applied to characterize the linear exponential distribution.

Keywords: Linear exponential distribution, generalized order statistics, order statistics, record values, truncation, single moments, product moments, recurrence relations and characterization.

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