

COMMENTS ON SOME INVERTED CUMULATIVE DISTRIBUTIONS: “SATURATION IN THE HAUSDORFF SENSE”, APPLICATIONS

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Abstract. *In this note we study properties of some inverted cumulative distribution functions (CDFs). More precisely, we prove estimates for the “saturation” – d about Hausdorff metric using twoparameters generalized inverted exponential c.d.f. The technique used can be successfully applied to other commonly used CDFs in practice. We consider also modified families of adaptive functions with “polynomial variable transfer” with applications to the Antennafeeder Analysis. Numerical examples, illustrating our results using CAS MATHEMATICA are given.*

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