Generalized Two Parametric 'Useful' R-Norm Directed Divergence Measures

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Abstract—In this paper, we introduce two generalized directed divergence of 'useful' R-norm information measure having dual parameters alpha and beta. We initially state 'useful' R-norm directed divergence measure and after that we define its corresponding 'useful' R-normfuzzy directed divergence measure. We check the validity of these proposed measures and study the particular cases. We also state certain fundamental properties of the presented measures and prove them numerically. Further, we examine the monotonic character of both the measures and study it graphically.