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On Weighted Cumulative Residual Tsallis Entropy and its dynamic version

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OBJECT: Highlights of manuscript PHYSA-162074

- Deriving the weighted form of the cumulative residual entropy measure and call it Weighted Cumulative Residual Tsallis Entropy (WCRTE).
- Proposing ageing classes based on the dynamic version of the WCRTE and showing that it can uniquely determine the survival function and Rayleigh distribution.
- Obtaining Several properties, including linear transformations, bounds and related results to stochastic orders for considered measures.
- Identifying classes of distributions in which some well-known distributions are maximum dynamic version of WCRTE.
- Proposing the empirical WCRTE to estimate the WCRTE.

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