

A characterization miscellany

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Abstract: We take as a starting point, the fact that the convolution of two exponential densities with the same intensity parameter is just a size-biased version of their common density. A spectrum of related characterizations are developed from this observation. Both discrete and absolutely continuous cases are investigated. In addition, other characterizations related to the structure of discrete and continuous record value sequences are discussed. (Joint work with Jose A. Villasenor)