SELFDECOMPOSABILITY PERPETUITY LAWS AND STOPPING TIMES

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Abstract: The decomposability property of Lévy class L of probability distributions, on a Banaeh space, is extended to a family of stopping times associated with background driving Lévy processes (BDLP). As consequences, this allows us to show that all selfdecom-posable measures are perpetuity laws and to get a representation of gamma distribution as an infinite product of independent uniform distributions.

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