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Moments Equalities for Nonnegative Integer-Valued Random Variables

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 [Keywords](#)
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Abstract: We present and prove two theorems about equalities for the n th moment of nonnegative integer-valued random variables. These equalities generalize the well known equality for the first moment of a nonnegative integer-valued random variable X in terms of its cumulative distribution function, or in terms of its tail distribution.

Key Words: Expectation, Moments, Equalities



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