

**Title:** Random power series near the endpoint of the convergence interval **Author(s):** Balázs Maga and Péter Maga

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In this paper, we are going to consider power series

$$\sum_{n=1}^{\infty} a_n x^n$$

where the coefficients  $a_n$  are chosen independently at random from a finite set with uniform distribution. We prove that if the expected value of the coefficients is 0, then

$$\limsup_{x \to 1^{-}} \sum_{n=1}^{\infty} a_n x^n = \infty, \qquad \liminf_{x \to 1^{-}} \sum_{n=1}^{\infty} a_n x^n = -\infty,$$

with probability 1. We investigate the analogous question in terms of Baire categories.

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