

Zbl 1051.40003

Pataki, Gergely

On the convergence of the series  $\sum a_n^{1-x_n/n}$ . (English)

Publ. Elektroteh. Fak., Univ. Beogr., Ser. Mat. 12, 61-63 (2001).

<http://matematika.etf.bg.ac.yu/publikacije/desno.html>

The author proves that, for any sequence  $(a_n)$  of positive numbers and any bounded sequence  $(x_n)$ , the series  $\sum a_n$  and  $\sum a_n^{1-x_n/n}$  either both converge or both diverge.

*Slavko Simić (Beograd)*

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*Classification* :

\*40A05 Convergence of series and sequences