

Zbl 279.10026

Erdős, Paul; Straus, E.G.

On the irrationality of certain series. (In English)

Pac. J. Math. 55, 85-92 (1973). [0030-8730]

A criterion is established for the rationality of series of the form $\sum b_n/a_1 \dots a_n$ where a_n, b_n are integers, $a_n \geq 2$ and $\lim b_n/(a_{n-1}a_n) = 0$. This criterion is applied to prove the irrationality and rational independence of certain special series of the above type.

Classification:

11J81 Transcendence (general theory)