



Erdős Turán

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Authors:	Laurentiu Panaitopol,
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Abstract:	Denoting by $(r_n)_{n\geq 1}$ the increasing sequence of the numbers p^lpha with p

prime and $\alpha \geq 2$ integer, we prove that $r_{n+1} - 2r_n + r_{n-1}$ is positive for infinitely many values of n and negative also for infinitely many

values of n. We prove similar properties for $r_n^2 - r_{n-1}r_{n+1}$ and

 $\frac{1}{r_{n-1}}-\frac{2}{r_n}+\frac{1}{r_{n+1}}$ as well.

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