Title: An order result for the exponential divisor function
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The integer $d=\prod_{i=1}^{s} p_{i}^{b_{i}}$ is called an exponential divisor of $n=\prod_{i=1}^{s} p_{i}^{a_{i}}>1$ if $b_{i} \mid a_{i}$ for every $i \in\{1,2, \ldots, s\}$. Let $\tau^{(e)}(n)$ denote the number of exponential divisors of $n$, where $\tau^{(e)}(1)=1$ by convention. The aim of the present paper is to establish an asymptotic formula with remainder term for the $r$-th power of the function $\tau^{(e)}$, where $r \geq 1$ is an integer. This improves an earlier result of M. V. Subbarao [?].

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