A note on the harmonic series and the logarithm

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Abstract

A relationship between the harmonic series and the logarithm is presented.

Figure 1: Illustration of $H(n)$ and $\log(n)$ as part of $H(n+n^2)$

Figure 2: Relationship between $\log(n)$ and its approximation $H(n+n^2)-H(n)$

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