The Legacy of Leonhard Euler A Tricentennial Tribute

 $\sum_{n=1}^{\infty} \frac{1}{n^s} = \zeta(s), \qquad \zeta(1) = \sum_{n=1}^{\infty} \frac{1}{n}, \qquad \zeta(2) = \sum_{n=1}^{\infty} \frac{1}{n^2} = \frac{\pi^2}{6}$

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