Home | Editors | Submissions | Reviews | Volumes | RGMIA | About Us

Some Inequalities Regarding a Generalization of Euler's Constant

Authors: **Alina Sîntamarian**,

Abstract:

The purpose of this paper is to evaluate the limit $\gamma(a)$ of the sequence

$$\left(\frac{1}{a} + \frac{1}{a+1} + \cdots + \frac{1}{a+n-1} - \ln \frac{a+n-1}{a} \right)_{n \in \mathbb{N}},$$

where $a \in (0, +\infty)$. We give some lower and upper estimates for

$$\frac{1}{a} + \frac{1}{a+1} + \cdots + \frac{1}{a+n-1} - \ln \frac{a+n-1}{a} - \gamma(a), \quad n \in \mathbb{N}.$$

Download Screen PDF

Download Print PDF

Send this article to a friend

Print this page