



Volume 6, Issue 4, Article 103

	Some New Inequalities for Gamma and Polygamma Functions
Authors:	Necdet Batir,
Keywords:	Digamma function, psi function, polygamma function, gamma function, inequalities, Euler's constant and completely monotonicity.
Date Received:	05/05/05
Date Accepted:	08/09/05
Subject Codes:	Primary: 33B15; Secondary: 26D07.
Editors:	Andrea Laforgia,
Abstract:	In this paper we derive some new inequalities involving the gamma function Γ , polygamma functions $\psi = \Gamma'/\Gamma$ and ψ' . We also obtained two new sequences converging to Euler-Mascheroni constant γ very quickly.
	Download Screen PDF

- Download Print PDF
- Send this article to a friend
- Print this page

[advanced search]

copyright 2003

terms and conditions

login