

Ghosh's κ function

Soumadeep Ghosh

Kolkata, India

Abstract

In this paper, I describe my κ function.
The paper ends with "The End"

Introduction

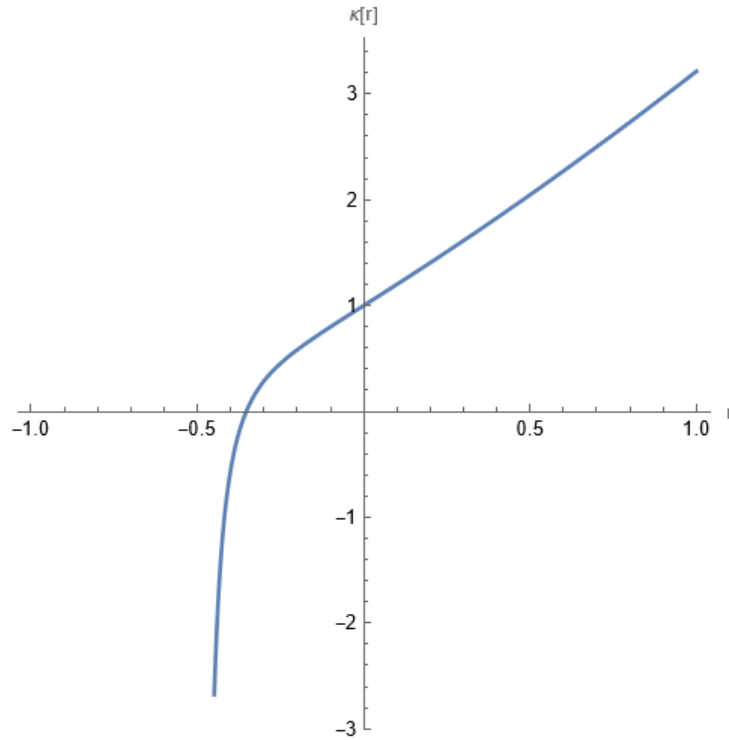
In a previous paper, I've described the QPolyGamma function $\psi_q(z)$.
In this paper, I describe my κ function.

Ghosh's κ function

My κ function is defined by

$$\kappa(r) = \begin{cases} 1 & r = 0 \\ \frac{(r+1) \left(\log\left(\frac{1}{r+1}\right) + \psi_{\frac{r}{r+1}}^{(0)}(1) \right)}{r \log\left(\frac{r}{r+1}\right)} & r \neq 0 \end{cases}$$

A plot of Ghosh's κ function



The End