

## $\Gamma$ -function

Wikipedia

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# Abstract

In mathematics, the gamma function (represented by  $\Gamma$ , the capital letter gamma from the Greek alphabet) is one commonly used extension of the factorial function to complex numbers.

# 1 Introduction

$$\Gamma(z) = \int_0^\infty x^{z-1} e^{-x} dx, \quad \Re(z) > 0 \quad (1)$$

Here is a reference to an equation: (1)

