

Exponential function

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March 8, 2022

1 Introduction

The exponential function is a function denoted by

$$\exp(x) = e^x \quad (1)$$

The inverse of the exponential function is the natural logarithm, $\ln(x)$.

2 Implementation

This report uses a "quick and dirty" implementation of the exponential function, given as

$$f(x) = 1 + x + \frac{x^2}{2} + \frac{x^3}{3} + \dots + \frac{x^{10}}{10} \quad (2)$$

3 Test

As can be seen in fig. 3, the implementation is working.

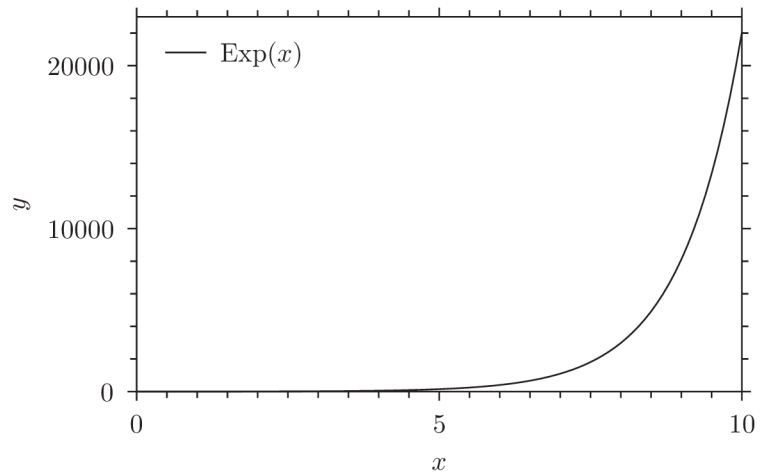


Figure 1: Implementation of eq. (2).