



# **Numerical Analysis Calculator**

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### **Intro**

Numerical Analysis Calculator Developed in **Python** and powered by the libraries **Tkinter**, **Sympy**, and **Numpy**, this comprehensive tool is designed to assist in tackling a wide range of numerical problems encountered in various fields of mathematics, engineering, physics, and more. Whether you're a seasoned professional or a student diving into the realm of numerical analysis, this calculator is here to simplify complex computations and provide reliable solutions.

#### **Brief Overview of Libraries:**

- **Tkinter:** Tkinter is a standard Python library for creating graphical user interfaces (GUIs). It provides a set of tools and widgets that allow developers to build interactive applications with ease.
- **Sympy:** Sympy is a Python library for symbolic mathematics. It enables users to perform symbolic computation, including algebraic manipulations, calculus operations, equation solving, and more.
- **Numpy:** Numpy is a fundamental Python library for numerical computing. It provides support for multidimensional arrays, along with a collection of mathematical functions to operate on these arrays efficiently.





















