

# Simple Graph Calculator and Plotter

## - User Guide -

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# 1 Introduction

The "Simple Graph Calculator and Plotter" application is a tool to plot multiple mathematical functions, such as Sine, Cosine and Sinc. It allows the variation of their parameters including frequency, amplitude and phase.

## 2 Getting Started

- Install application according to the Installation Guide
- Launching the application
- Begin displaying and manipulating the mathematical functions

## 3 Overview

The layout of the main user interface is shown in figure 1. The interface is divided into two sections. The left part is the plot region where the selected function is displayed based on the user inputs for its parameters.

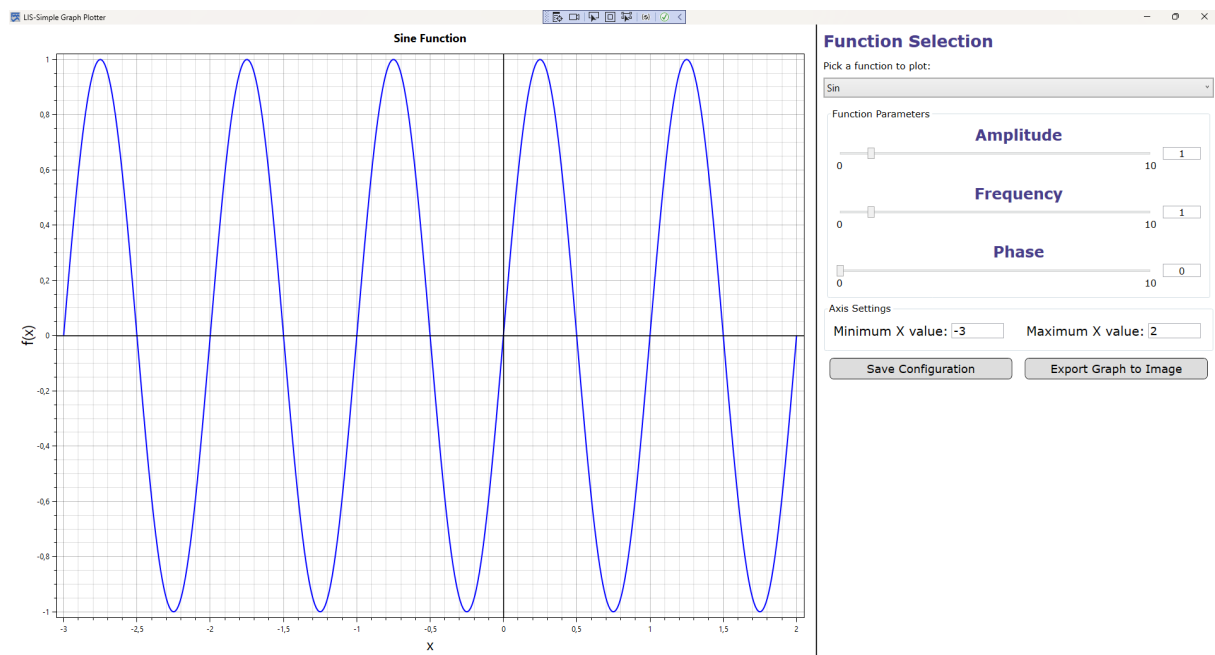


Figure 1: Main application interface

On the right side, the user can select a function from a drop-down menu. The available options are Sine, Cosine, and Sinc. For each function, the user can adjust its frequency, amplitude, and phase using the sliders below. While the y-axis scales automatically based on the amplitude, the user can manually select the x-range to be plotted. The properties of each function can be saved using the "Save Configuration" button. The previously saved configuration for the selected function will be automatically restored when the application is launched.

## 4 Additional Functions

- Export the plot as vector graphic (.svg) either via the export button or by right clicking on the plot

## 5 Contact

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