

# Table of Contents

MagicPlot Manual Contents

.....

1

*Table of Contents*

.....

1

*Help us make this manual better!*

.....

3



# MagicPlot Manual Contents

**MagicPlot** is a lightweight application for scientific and engineering data analysis, graphing, nonlinear curve fitting and multi-peak fitting. MagicPlot comes in two editions: MagicPlot Pro and MagicPlot Student. MagicPlot is available for Windows, Mac OS X, Linux/Unix-like systems.

## Table of Contents

### Overview

- [System Requirements and First Launch](#)
- [Getting Started: Tables, Figures, Fit Plots and Undo](#)
- [Importing Table from Text File \(ASCII\)](#)
- [Table Editing](#)
- [Missing Values \(NaN\) in Tables and Calculations](#)
- [Creating a Copy of Table, Fit Plot, Folder or Figure](#)

### Nonlinear Curve Fitting with Fit Plot

- [Nonlinear Curve Fitting: Fit Plot](#)
- [Fitting Algorithm and Computational Formulas](#)
- [Joining the Parameters of Fit Curves](#)
- [Specifying Custom Fit Equation](#)
- [Using Spline for Baseline Subtraction](#)
- [Guessing Peaks](#)
- [Predefined Fit Curves Equations](#)
- [Export Curves as Table](#)

### Data Processing

- [Setting Column Formula](#)
- [formula](#)
- [Table Sorting](#)
- [Data Processing and Auto Recalculation](#)
  - [Smoothing](#)
  - [Integration](#)
  - [Differentiation](#)
  - [Fast Fourier Transform \(FFT\)](#)
  - [Convolution and Deconvolution](#)
  - [Correlation](#)
  - [Histogram Calculation](#)
- [Descriptive Statistics](#)
- [Calculating Integrals and Statistics on Intervals using Fit Plot](#)

## Batch Processing

- [Batch Processing](#)

## Visual Data Navigation

- [Scale Scrolling for Data Navigation](#)
- [Reading Plot Data, Measuring Distances, Curves Selection](#)
- [Quick Plot Tool](#)

## Creating and Editing Figures

- [Creating a Figure](#)
- [Color Map Plots](#)
- [Adding and Arranging Axes Boxes on a Figure](#)
- [Adding and Arranging Curves on Figure Axes](#)
- [Specifying Axis Multiplier, Prefix and Suffix](#)
- [Shifting Curves on Figure and Creating 2D Waterfall](#)
- [Using Figure Templates](#)

## Drawing and Editing

- [Axes Style Editing](#)
- [Drawing on Figures and Fit Plots, Image Zoom and Objects Selection](#)
- [Colours and Opacity Adjustment](#)
- [Creating Transparent Figures and Fit Plots](#)
- [Using of Dimensions Toolbar](#)
- [Switching Curves Antialiasing on the Screen](#)

## Text Labels Editing

- [Inserting Special Symbols and Greek Letters](#)
- [Advanced Typography Features](#)

## Image Exporting and Copying

- [Image Export](#)
- [Preview Image](#)
- [Copying Images to Clipboard](#)

## Tools

- [MagicPlot Calculator](#)

## Appendices

- [comparison](#)
- [Keyboard Shortcuts](#)

## Release Notes

- [Introducing MagicPlot 2.9](#)
- [Full Release Notes](#)
- [The known OpenJDK unresolved issues that affect MagicPlot](#)

## Frequently Asked Questions

- [Frequently Asked Questions](#)
- [MagicPlot and Firewall FAQ](#)

## Help us make this manual better!

If you cannot find an answer to your question or if you find some help topic to be unclear, please write to 'support at magicplot.com'.

From:

<https://magicplot.com/wiki/> - **MagicPlot Manual**

Permanent link:

[https://magicplot.com/wiki/magicplot\\_wiki\\_home?rev=1580331572](https://magicplot.com/wiki/magicplot_wiki_home?rev=1580331572)

Last update: **Wed Jan 29 23:59:32 2020**

