Table of Contents

MagicPlot Manual Contents 1
Table of Contents 1

MagicPlot Manual Contents

MagicPlot is a lightweight application for scientific and engineering data analysis, graphing, nonlinear curve fitting and multi-peak fitting. 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
- Expression Syntax
- 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

- Keyboard Shortcuts

Release Notes

- Introducing MagicPlot 3.0
- Full Release Notes

Frequently Asked Questions

- Frequently Asked Questions
- MagicPlot and Firewall FAQ

From:
https://magicplot.com/wiki/ - **MagicPlot Manual**

Permanent link:
https://magicplot.com/wiki/magicplot_wiki_home

Last update: **Sat Jan 16 18:43:46 2021**