General Help

SciPlot is a scientific 2D plotting and manipulation program.
Various functions are available in SciPlot:

- ASCII import and export
- EPS export
- selective open and save
- plotting in many styles
- linear and logarithmic axes
- two different axes
- text and graphic
- color support
- absolut,relative, and free defined error bars
- normalizing and moving
- add and subtract data
- background subtractions (linear,shirley,tougaard, bezier)
- integration and relative integration
- simple calculations (+, -, $*$, /, sin, cos, log, etc.)
- least square smooth and FFT smooth
- diiferentiation
- axis conversions
- FFT
- ESCA calculations

and   some others.

The basis of 2D plotting is a set of XY data (and maybe error bar values). Within SciPlot these data are stored in data buffers which are managed by the *File Inspector*. The number of data buffers and the number of XY pairs (points) is free. Another important thing is the *Inspector* . He controls all the manipulations you can do. At the top of the *Inspector* a pulldown menu appears which allows switching between different subinspectors.

There are three ways to import data into SciPlot:

1. Import from a ASCII file which should have a defined format (look up in the *Import* help file)

2. Enter data directly within the *Edit Inspector*.

3. Get data via the pasteboard by clicking the *Services* menu item in another program (e.g. Edit). This works only if SciPlot is installed in LocalApps, ~/Apps or another known NeXTStep search path. After installing, you have to relogin.

After data are entered they may be manipulated in several ways, plotted, exported to an ASCII file, or saved in a SciPlot specific data format.

LICENSE
SciPlot is Shareware **!**
Everybody can copy and distribute SciPlot as often as he wants. If you use SciPlot regularly please remit DM 50 or $ 35 (see below).

Registered users automatically receive updates of SciPlot and I shall also try to implement their special wishes (e.g. for scientific manipulation functions I perhaps never heard of before (source is welcome)).

Comercial distrubution is strictly forbidden without the permission of the author.

WARRANTY
There is no warranty whatsoever for SciPlot. The entire risk of using the program lies with you.

ACKNOWLEDGMENT
Some people from the usenet helped me with their suggestions and bug reports some other people with their   programing know how. My workgroup was (is) very helpful because I guinea-pigged them for excessive beta testing. And last not least thanks to Waruno Mahdi for implementing some of the mathematical stuff.

Send suggestions and bug reports to:

Michael Wesemann
Fritz-Haber-Institut der MPG
Faradayweg 4-6, 1000 Berlin 30, Germany
mike@fiasko.rz-berlin.mpg.de

Verbraucherbank Berlin
Blz: 20220300   Ktn: 5004997539