TkFab ™

Data management software

Project management

- **Choose directory (absolute or relative)**
- **Choose CSV file to read**
- **Choose project file**
- **Define a suffix for the created files**
- **Save configuration**

QuickField format conversion to CSV format (script)

- **Transient Analysis.**
- **LabelMover.**
- **Circuit (voltage and current)**
- **Contour**

Syntax operation on file (script)

- **CSV sanity check**
- **Headers filtering**
- **Data filtering (alphabet or digit , integer, or double)**
- **Formatting to CSV or Tkfab (CSV with header)**
- **Columns extraction (sorting)**
- **Data formatting (scientific, decimal)**
- Data transformation (log, normalization)
- **Units conversion**
- **Folding according to a sequence , a known period**
- **Assembling several files in one**

Mathematical operation on file (script)

- **Linear interpolation**
- **Linear regression**

Calculator

- Operations on double and complex
- Generated data (Ex.: z = g(x,y), y = f(x)...)
- Operations on plots (CSV files input)
- Physical constants
- Numerous statistical functions
- Visualization before export (text format)

Plots (data visualization)

- Bar graphs
- 2D plots
- Scaterring plots
- Contours (colors gradient)
- 3D plots

Spreadsheet

- **Edition by line, column or value**
- **Erase, insert, replace value**
- **Formatting, units change**

1D measurements

- see 1D specifications

1D computations

- see 1D specifications

Plot transformations

- Logarithm
- Sequence (for instance modulo 2π)
- Normalization (yn = y / y max for instance)
- Transformation into scattering plots
- Spline (2D)
- Zoom (2D)

Extra functions

- Automation programmation (ActiveField)
- **Units converter**
- Screenshot in one click
- **Data export (CSV) in one click**
- Curve selection in one click.
- **Direct access to configuration parameters**
- **Visual messages : text or led-like**
- **Console**

Hardware

- **Recent computer.**
- **RAM : According to data volume (4 Gb per 10 000 lines)**
- **Optimum : 10 000 points**

Software

- **QuickField (latest version) for ActiveField**
- **Windows : Windows 10 or more recent**
- Linux (Without ActiveField features)