Berne University of Applied Sciences

School of Engineering and Information Technology
Division of Electrical- and Communication Engineering

Burgdorf, March 2004

Smith V2.0
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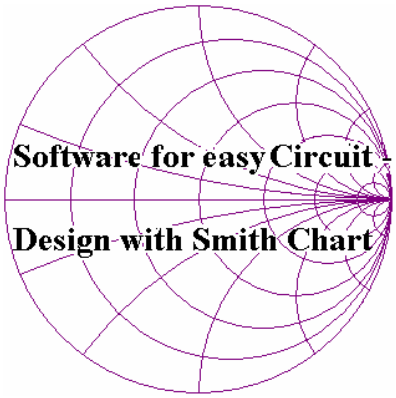

Overview

The software is divided in two parts:

1. Smith-Chart Diagram

Features:

- Matching ladder networks with capacitors, inductors, resistors, serie RLC, parallel RLC, transformers, serie lines and open or shorted stubs
- Free settable normalisation impedance for the Smith chart
- Circles and contours for stability, noise figure, gain, VSWR and Q
- Edit element values after insertion
- Import datapoints from S-parameter files
- Undo- und Redo-Function
- Save and load designs
- Save netlist
- Print Smith chart, schematic and comments
- Copy to clipboard for documentation purposes
- Set colors for Smith chart

2. S-Plot

Features:

- Read S-Parameter - Files in Touchstone® - Format
- Graphical display of s11, s12, s21 and s22
- Graphical display and listing of MAG (maximum operating power gain) and MSG (maximum stable gain)
- Convert and export S-Parameter to normalized or unnormalized H-, Z-, Y- or A-Parameters in Touchstone® - Format files.
- Export s11 or s22 to Smith-Chart
- Print all graphics or listings

System requirements:

Windows 95, 98, 2000, NT, XP

Licence

Without the file 'smith.key' (in the same directory as 'smith.exe') the application will work in demo mode only. The demoversion may be freely distributed. More information can be found in the about box.
In the demoversion the following functions are disabled:

- Save design
- Save netlist

Furthermore the demoversion is limited to 5 datapoints and 5 elements.

The licensed version of Smith with full capabilities of the program is priced to US$ 100.-.
Discount for Universities and licenced Radio Amateurs.
If you like to get the licensed version please send a mail to:

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