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ChangeLog CONCIRC 1.1

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#### Changes of build 21 (March 20) compared to build 17

New network elements have been implemented:

- Phase shifter
- Wilkinson power divider
- S-parameter block (extended MNA stamping). Of value in case that a Y parameter description is not possible
- Quick change of different projects in the same folder

#### Changes of build 17 compared to build 16 (February 19)

- Introduction of parameter sweeps
- S-parameter
- Bug fixes

### Changes of build 16 compared to build 15 (November 18)

- Bugfix: An error occuring when dragging an element onto lines has been corrected...

#### Changes of build 15 compared to build 12 (September 18)

- Improvement of IFT related stuff, examples
- Improvement with respect to drag and draw of elements
- Scaling of the working area
- Bug fixes

#### Changes of build 12 compared to build 11 (May 18)

- More possibilities with regard to frequency sampling (reading from files, accepted deviations...)
- More tool tips, change of symbol for current source

#### Changes of build 11 compared to build 10 (January 18)

- Input of constant complex elements are possible now
- Further quantities can be specified from files
- Options  $\rightarrow$  Text size can be specified in pixels
- usage without invoking the GUI
- Bug fixes

## Changes of build 10 compared to build 8,9 (October 17)

Now included:

- Bode plots
- Nyquist plots

## Changes of build 7 compared to build 6 (March 17)

- Small bug fixes

# Changes of build 6 compared to build 5 (March 17)

- Non-ideal tranformer consisting of L\_1, L\_2, M\_12
- Complex control data (controlled sources)
  - Control data from files is also possible now
- Output: magnitudes in dB
- new example demonstrating GUI improvements