RF and mmWave Circuit Design

QUCS-S INSTALLATION

dr. Carlos Mendes Jr
prof. dr. ir. Peter Baltus
prof. dr. Marion Matters

Department of Electrical Engineering, Integrated Circuits Group

Download of Qucs-S and NGSpice

Windows

1. Download Qucs-S (Qucs with Spice)

   - Qucs-S Help

2. Download NGSpice for Qucs-S

   - OBS.: Unpacking **has** to go to C:\SPICE

coursera   TU/e

Installation of Qucs-S

Qucs-S: Qucs with SPICE

Download links

The latest stable release is Qucs-0.0.22. It is based on stable Qucs-0.0.19:

- Documentation at the readthedocs.io and here
- Source tarball: qucs-s-0.0.22.tar.gz
- Github repository
- AppImage for all Linux distributions at Github
- Debian repository (32 and 64 bit), built with openSUSE OBS: Debian 10 "Buster", Debian 9 "Stretch", Debian 8 "Jessy", Debian 7 "Wheezy" and Ubuntu 14.04 , 16.04 , and 18.04
- RPM Packages (32 and 64 bit) for CentOS and Fedora-24, 25, and 26
- Slackware>=14.1 SlackBuild
- Windows installer (Zipped EXE) qucs-s-0.0.22-setup.zip

(Installation instructions...)

Click here to download

Contibution guide
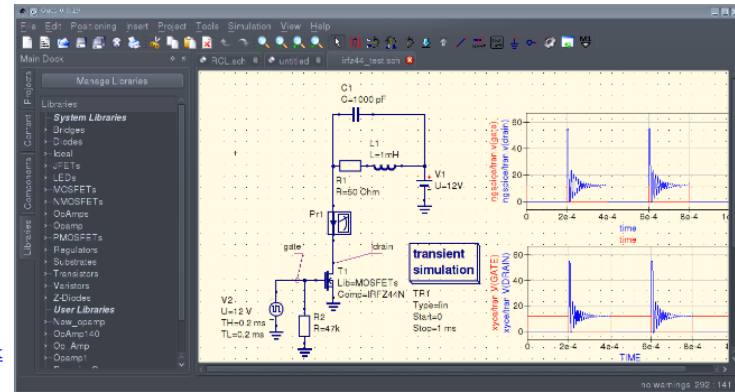
Qucs-S is open for everyone's contribution. See here for contribution guide.

News

- *January, 19, 2020* Qucs-S-0.0.22 is released! See Release notes and dowload link
- *October, 31, 2018* Qucs-S-0.0.21 is released! See Release notes and dowload link
- *June, 24, 2018* Added packages for Ubuntu 18.04
- *October, 31, 2017* Qucs-S-0.0.20 is released! See Release notes and dowload link
- *October, 25, 2017* Added packages for CentOS and Fedora
- *January, 26, 2017* Qucs-S 0.0.19 is released! The first stable release. Release announcement
- *November 8, 2016* Qucs-S RC8 released. Release notes and download link
- *September 3, 2016* Qucs-S RC7 released. Release notes and download link
- *May 15, 2016* Qucs-S RC6 released. Release notes and download link
- *March 23, 2016* Qucs-S RC5 released. Release notes and download link
- *January 31, 2016* Qucs-S RC4 released. Release notes and download link
- *August 29, 2015* Qucs-S RC3 released.
- *July 28, 2015* Qucs-S RC2 released.
- *July 25, 2015* Qucs-S RC1 released.

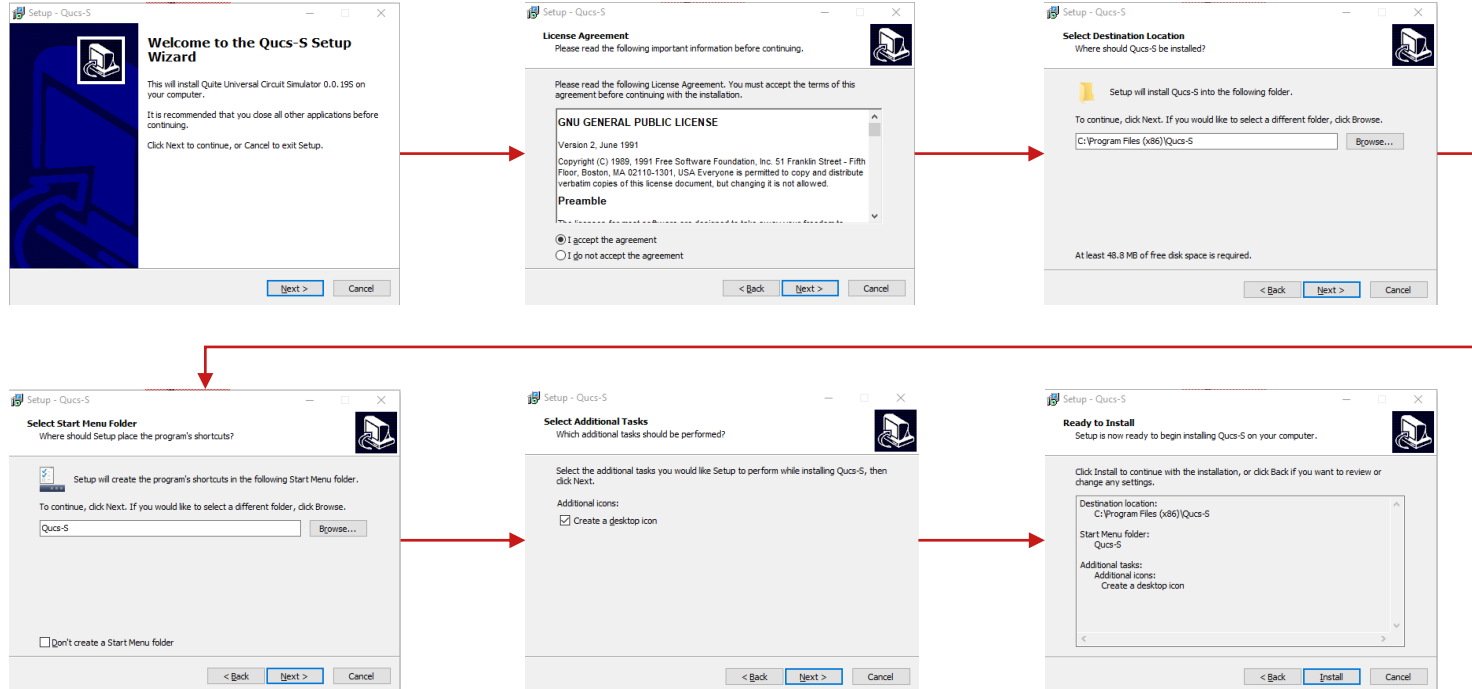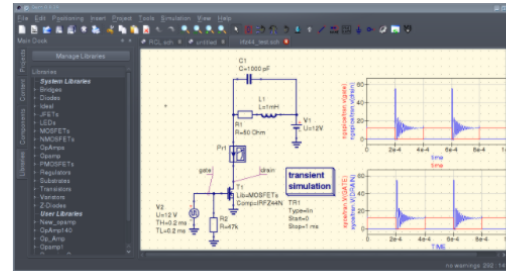### Simulation example with Qucs-S and Ngspice

(More screenshots...)

Publications

Qucs-S is also a research software. Check our publication list.

Installation of Qucs-S
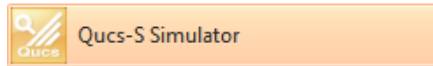
Installation of NGSpice for Qucs-S

Click here to be forwarded
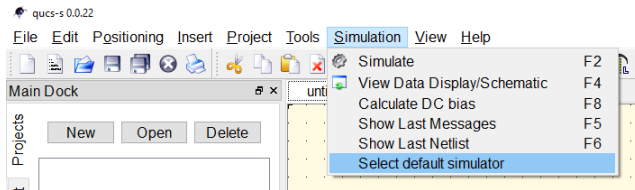
Installation of Qucs-S

Unzip Ngspice package strictly to the C:\SPICE location.
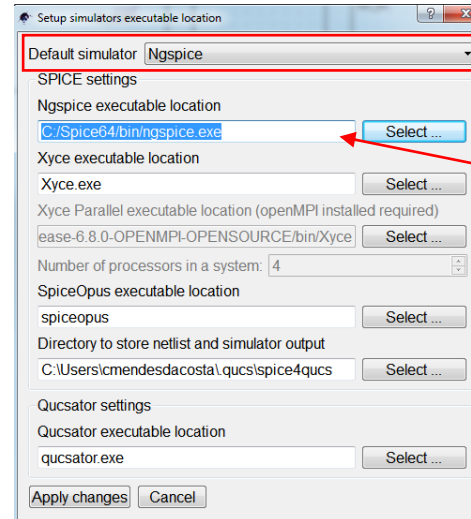
Setting NGSpice into Qucs-S

1. From *Start* menu open Qucs-S Simulator

2. Go to *Simulation* menu and open *Select default simulator*

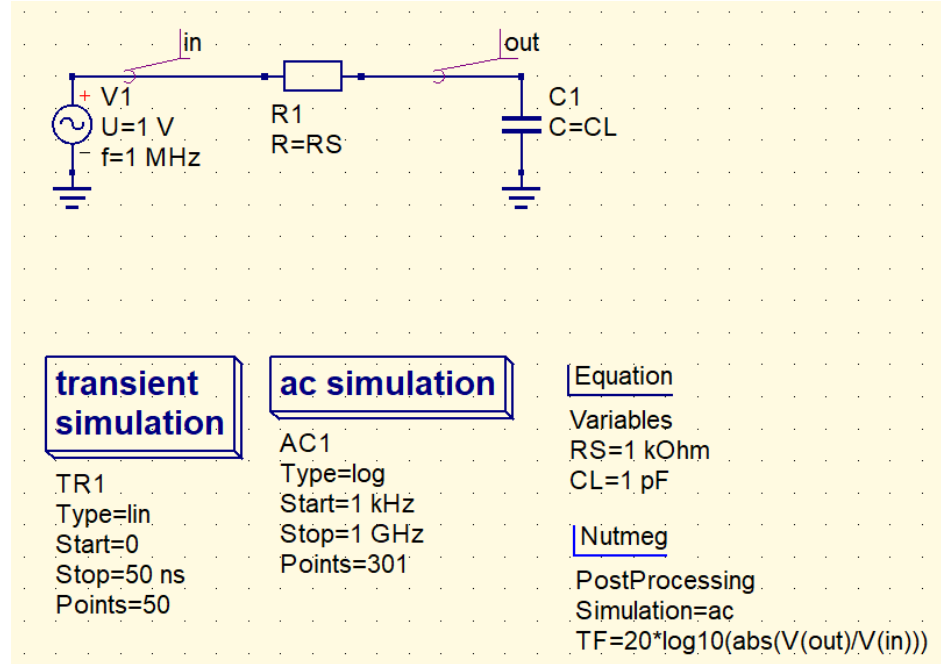3. Select Ngspice in the Default simulator, and set its path to C:\SPICE

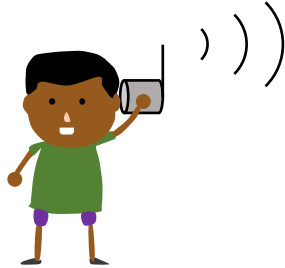Path where you saved the NGSpice. It has to be C:\SPICE

Simulation example

Low Pass Filter Simulation

- Transient
- AC

Thanks for watching!

C.A.M.Costa.Junior@tue.nl

P.G.M.Baltus@tue.nl