

Useful Links for the JUAS 2017 RF and SC RF lectures

The Smith Chart (F. Dellsperger page); this download is free and a nice tool for practical work in the Smith Chart (on the PC or laptop) once downloaded and installed it works off line. NEW version from 2016.

<http://www.fritz.dellsperger.net/smith.html>

A nice instruction for practical use on the paper Smith Chart is here (you can also find it via Google or similar when typing : ARRL Antenna book Smith Chart Calculations

<http://www.arrl.org/files/file/Antenna%20Book%20Supplemental%20Files/22nd%20Edition/Smith%20Chart%20Supplement%20-%20Corrected%20Jan%202012.pdf>

The Amanogawa tool; interactive software for simulation; requires connection via www; JAVA should be present; you may need to change certain security settings on you laptop or PC

<http://www.amanogawa.com/>

The ESA multipactor tool: this can be downloaded for free via the link shown below (only registration required), be careful when doing a download from other sites. Its very useful to get a feeling about the physics of multipactor for beginners

<http://multipactor.esa.int/>

Everything about decibels (db or not dB) from Rohde&Schwarz

Application note 1 MA 98-12

https://cdn.rohde-schwarz.com/pws/dl_downloads/dl_application/application_notes/1ma98/1MA98_12e_dB_or_not_dB.pdf

The Feynman lecture about the capacitor at high frequencies (transition from parallel plate capacitor to pillbox cavity

http://www.feynmanlectures.caltech.edu/II_23.html

One nice link to find all kind of RF calculators: <https://www.everythingrf.com/rf-calculators>

A very nice (free) paper on S-parameters is at:

<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6668983>

Agilent application notes (lots of very good stuff e.g. wrt spectrum- and networkanalyzers) are available at

<http://www.home.agilent.com/agilent/editorial.jsp?cc=AW&lc=eng&ckey=873895&id=873895>

a very comprehensive tutorial on electronic noise is at

<http://www.repeater-builder.com/tech-info/pdfs/richard-j-mohr-on-receiver-noise.pdf>

and my own papers can be (nearly all) downloaded from CERN CDS <http://cds.cern.ch/?ln=en> via

http://cds.cern.ch/search?ln=en&sc=1&as=1&m1=a&p1=caspers&f1=author&op1=a&m2=a&p2=&f2=&op2=a&m3=a&p3=&f3=&action_search=Search&dt=&d1d=&d1m=&d1y=&d2d=&d2m=&d2y=&f=&so=a&rm=&rg=10&sc=1&of=hb&c=Articles+%26+Preprints&c=Books+%26+Proceedings&c=Presentations+%26+Talks&c=Periodicals+%26+Progress+Reports&c=Multimedia+%26+Outreach

or just going into advanced search and typing CASPERS in the author field