Minimum laptop specifications

Processors: Intel® Core™ i3 or AMD Ryzen 3250u CPU. Operating System: Windows 7, Linux 64-bit RHEL or Mac OS X 10.11 & up.

RAM: 4 GB (8 GB & up preferred).

Programming Language: Python

Recommended softwares/IDE

1. Spyder - https://www.spyder-ide.org/
2. Pycharm - https://www.jetbrains.com/pycharm/
3. Google Colaboratory - https://colab.research.google.com/

Main References:

[1] G. C. Loata, M. D. Thomson, T. L ̈offler, and H. G. Roskos. Radiation field screening in photoconductive antennae studied via pulsed terahertz emission spectroscopy. Appl. Phys. Lett., 91:232506, 2007.

[2] O. A. Castañeda-Uribe, C. A. Criollo, S. Winnerl, M. Helm, and A. Avila. Comparative study of equivalent circuit models for photoconductive antennas. Opt. Express, 26(22):29017–29031, Oct 2018

[3] N. Khiabani, Y. Huang, Y.-C. Shen, and S.J. Boyes. Theoretical modeling of a photoconductive antenna in a terahertz pulsed system. IEEE Trans. Antennas Propag., 61:1538–1546, 2013.

[4] J. Prajapati, M. Bharadwaj, A. Chatterjee, and R. Bhattacharjee, Circuit modeling and performance analysis of photoconductive antenna, Opt. Commun. 394, 69 (2017).