

Course Project References

PHYSICAL COMMUNICATION

Implementaion of OFDM Transceiver

Michalopoulos Angelos Vlad-Eusebiu Baciu Boya Zhang Mario Mosko

January 15, 2021

Prof. Dr. Gerd Vandersteen Dr. Dries Peumans Ali Al-Zawqari

Engineering Sciences

References

- [1] 4-ofdm-python.ipynb Colaboratory. https://colab.research.google.com/github/varun19299/wireless-lab-iitm/blob/notebooks/4-ofdm-python.ipynb#scrollTo=JkBncebXwEl-. (Accessed on 01/14/2021).
- [2] Yong Soo Cho et al. MIMO-OFDM wireless communications with MATLAB. John Wiley & Sons, 2010.
- [3] Cyclic Prefix an overview ScienceDirect Topics. https://www.sciencedirect.com/topics/engineering/cyclic-prefix. (Accessed on 01/14/2021).
- [4] drom/OFDM: Orthogonal Frequency Division Multiplexing pipeline. https://github.com/drom/OFDM. (Accessed on 01/14/2021).
- [5] Number of bit errors and bit error rate (BER) MATLAB biterr MathWorks Benelux. https://nl.mathworks.com/help/comm/ref/biterr.html. (Accessed on 01/14/2021).
- [6] OFDM OFDMA and 4G 5G Systems UC San Diego Extension. https://extension.ucsd.edu/courses-and-programs/introduction-to-ofdma-and-4g-systems. (Accessed on 01/14/2021).
- [7] OFDM Simulation in MATLAB. https://digitalcommons.calpoly.edu/cgi/viewcontent.cgi?article=1063&context=eesp. (Accessed on 01/14/2021).
- [8] OFDM Simulation in MATLAB YouTube. https://www.youtube.com/watch?v=SyKJrrNhPO8&t=Os. (Accessed on 01/14/2021).
- [9] OFDM Synchronization MATLAB & Simulink MathWorks Benelux. https://nl.mathworks.com/help/comm/ug/ofdm-synchronization.html. (Accessed on 01/14/2021).
- [10] OFDM Transmitter and Receiver (Matlab Code) File Exchange MATLAB Central. https://nl.mathworks.com/matlabcentral/fileexchange/25599-ofdm-transmitter-and-receiver-matlab-code?s_tid=FX_rc1_behav. (Accessed on 01/14/2021).
- [11] Python OFDM Example DSPIllustrations.com. https://dspillustrations.com/pages/posts/misc/python-ofdm-example.html. (Accessed on 01/14/2021).
- [12] Time Offset Estimation for OFDM Using MATLAB. http://goletty.uad.ac.id/download_article.php?article=81808. (Accessed on 01/14/2021).
- [13] Walkerlikesfish/DigitalCommunication: The Course project to simulate IEEE802.1n. https://github.com/Walkerlikesfish/DigitalCommunication. (Accessed on 01/14/2021).
- [14] H. Zarrinkoub. Understanding LTE with MATLAB: From Mathematical Modeling to Simulation and Prototyping. Wiley Desktop Editions Series. Wiley, 2014. ISBN: 9781118443415. URL: https://books.google.be/books?id=Sc50AgAAQBAJ.