Contents

1 Links

- DSP Professor Murugan Pallikonda Rajasekaran
- Software Defined Radio with HackRF
- VSB - Modulation (MVB)
- Phase-Shift Method-Based Optical VSB
- Understanding the "Phasing Method" of Single Sideband Demodulation
- Einseitenbandmodulation
- Adam Panagos - Really nice tutorial videos

1.1 All About Circuits

1.1.1 Filter Design

- Practical FIR Filter Design: Part1 - Design with Octave - see also m-files/fir-filter.m
- Practical FIR Filter Design: Part2 Implementing Your Filter
- Design of FIR Filters Using the Frequency Sampling Method
- FIR Filter Design by Windowing: Concepts and the Rectangular Window
- From Filter Specs to Window Parameters in FIR Filter Design
- Design Examples of FIR Filters Using the Window Method

1.1.2 Software Defined Radio

- Practical Guide to Radio-Frequency Analysis and Design
- Introduction to Software-Defined Radio

1.1.3 Digital Modulation

- Digital Modulation: Amplitude and Frequency
- Digital Signal Processing in Scilab: How to Decode an FSK Signal
- How to Use I/Q Signals to Design a Robust FSK Decoder

2 Books

- Flatland: A Romance of Many Dimensions
- Starting Digital Signal Processing in Telecommunication Engineering
  A Laboratory-based Course