

ECE551 - Homework 5

Khoi-Nguyen Mac

October 9, 2016

- 1 Sampling and Interpolation for Band-Limited Vectors
- 2 Band Limited Space with Rational Sampling Rate Changes
- 3 Multirate Systems
- 4 Pseudo-Inverse of Interpolation Filter: Single Channel Case
- 5 Ideal-Matched Sampling and Interpolation with Nonorthogonal Filters
- 6 Python Exercise: DTFT Approximation using DFT
- 7 Python Exercise: Image Scaling with Separable Filters