Protocol Lecture 11.02

Parseval relation

- Remind: relation for functions in L^1
- Proof of the Parseval relation
- Resume: How one understands the Fourier transform in L^2
- Properties of Fourier transform

Sampling of bandlimited functions

- Definition of bandlimited functions
- Sampling theorem
- Proof
- Nyquist density

The content of this lecture can be found (mainly) in Lessons 18 (Exercise), 22, and later 38 of the textbook.