

The Fourier Transform

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Not just another basis

Use example from encyclopedia of mathematics

* Spectral analysis. What is the relationship between the Fourier Transform, the Discrete-Time Fourier Transform, and the FFT? "Why does matlabs FFT() always give me complex outputs?" forward, inverse transforms.

- 1 The Continuous-time Fourier Transform**
- 2 The Discrete-time Fourier Transform**
- 3 The Discrete Fourier Transform**
- 4 The Fast Fourier Transform**