

TRANSFORMS

1 Transforms Solution of Differential Equations and Filters.pdf



[DSPFirst-L20 Chapter9Slides TLH.pptx](#)

LAPLACE TRANSFORMS CH 9 TLH

DISCRETE SYSTEMS & Z CH 10 TLH

Short Videos

FFT Tutorial TI

598,640 views • May 17, 2012 6:29

Try it with a real scope:

Tony and Ian from Tektronix present a FFT Tutorial (Fast Fourier Transform) covering what is FFT, an explanation of the FFT function as well as different FFT applications. They explain how the FFT works with a FFT example and show an oscilloscope demo to demonstrate how helpful the FFT can be. 6:29

<https://www.youtube.com/watch?v=zKKGa30bHG0&feature=youtu.be>

Z transforms 101

3,613 views Oct 8, 2020 12:12

Everything you need to know to get started with Z transforms.

[0:00](#) - Introduction

[0:34](#) - Why do we need the Z transform?

[2:15](#) - Properties of the Z transform

[6:28](#) - A convolutional representation of systems

[9:09](#) - Solving difference equations with the Z transform

<https://www.youtube.com/watch?v=-Q84H0ARdXY>

The intuition behind Fourier and Laplace transforms I was never taught in school

17:59

<https://www.youtube.com/watch?v=3gjJDucAEQQ>

Let's understand Fourier & Laplace Transform | Part1 - Control Systems Simplified

5,983 views

• Sep 5, 2020

8:11

<https://www.youtube.com/watch?v=p8gsB3nUCIA>