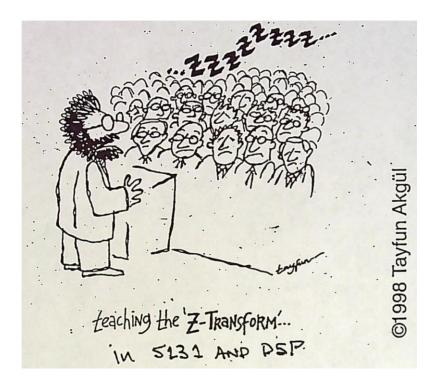
Agenda CENG 3315 April 20, 2022 Z-Transforms DSPF Chapter 9

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, anexplanation 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.

:00 - Introduction

34 - Why do we need the Z transform?

:15 - Properties of the Z transform

28 - A convolutional representation of systems

: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

•Sep 5, 2020

8:11

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