

BasicsReviewEuler_Convolution

Euler's formula is $e^{ix} = \cos(x) + i \cdot \sin(x)$, and Euler's Identity is $e^{i\pi} + 1 = 0$. See how these are obtained from the Maclaurin series of $\cos(x)$, $\sin(x)$, and e^x . This is one of the most amazing things in all of mathematics! Created by Sal Khan.
(i= j) 11:26

<https://www.khanacademy.org/math/ap-calculus-bc/bc-series-new/bc-10-14/v/euler-s-formula-and-euler-s-identity>

Digital Signal Processing (DSP) Tutorial:Euler's Formula and Fourier- Part 1 9:38

https://www.youtube.com/watch?v=He_Zokhmj8M

Discrete time convolution 17:08 (Basic Review)

<https://www.youtube.com/watch?v=W56uw9GUvxU>

Signal Processing Tutorial: Discrete-Time Convolution Examples (Part 1 - Intro) Covers LTI systems. 8:23

<https://www.youtube.com/watch?v=iG-Lp7D5uhE>

How does your mobile phone work? 9:03

https://www.youtube.com/watch?v=1JZG9x_VOwA