Digital Signal Processing (Resources)

Pointers to good resources in the web for DSP Learning
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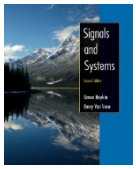
The following videos are for Signals and System and DSP, provided by leading authorities. These are suitable for junior and senior undergraduate students.

1) Barry Van Veen: You Tube: http://www.youtube.com/user/allsignalprocessing?feature=watch
   (Author of this book: 

   http://www.amazon.com/Signals-Systems-Interactive-Solutions-Edition/dp/0471707899/ref=dp_ob_title_bk)

2) Signals and Systems: MIT: http://ocw.mit.edu/resources/res-6-007-signals-and-systems-spring-2011/index.htm

3) DSP: MIT: http://ocw.mit.edu/resources/res-6-008-digital-signal-processing-spring-2011/index.htm

4) DSP: IIT: http://www.youtube.com/watch?v=6dFnpz_AEyA (Lecture 1) and http://www.youtube.com/playlist?list=PLB75F3DF81054644C (Lecture 2-43)

5) Coursera: Paolo Prandoni and Martin Vetterli: https://www.coursera.org/course/dsp

Free PDF (book) resources:

1) A whole book legally free: http://www.dspguide.com/
2) Orfanidis - http://www.ece.rutgers.edu/~orfanidi/osp2e/ “Optimum Signal Processing”

Matlab resources:

Signal Processing First and its Matlab resources: http://users.ece.gatech.edu/mcclella/SPFirst/

Some links on understanding the followings:

1) Complex exponential : Vetterli (Lecture 2 - 4 - 2.2 - The complex exponential [1048].mp4, from time = 1:50) : signup in : https://www.coursera.org/course/dsp

2) Understanding exponential and complex numbers: http://betterexplained.com/articles/an-intuitive-guide-to-exponential-functions-e/