Signals and Systems (2nd Edition)

By Oppenheim, Alan V.; Willsky, Alan S.; Hamid, with S.

Prentice Hall, 1996. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: time and discrete-time concepts/methods in parallel -- highlighting the similarities and differences -- and features introductory treatments of the applications of these basic methods in such areas as filtering, communication, sampling, discrete-time processing of continuous-time signals, and feedback. Relatively self-contained, the book assumes no prior experience with system analysis, convolution, Fourier analysis, or Laplace and z-transforms. FEATURES: Develops continuous-time and discrete-time concepts in parallel -- highlighting the similarities and differences. E.g.: Ch. 1 on basic signals and system properties, Ch. 2 on linear time-invariant systems, and Ch. 3 on Fourier series representation each develop the continuous-time and discrete-time concepts in parallel. Ch. 9 on the Laplace Transform and Ch. 10 on the Z-transform deal with the two domains separately, but often draw parallels between results in the two domains. Introduces some of the important uses of the basic methods that are developed -- e.g., filtering, communication, sampling, discrete-time processing of continuous-time signals, and feedback. NEW--A companion book contains MATLAB-based computer exercises for each topic. NEW--Material on Fourier analysis has been reorganized significantly to provide an easier path for the reader to master and...

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