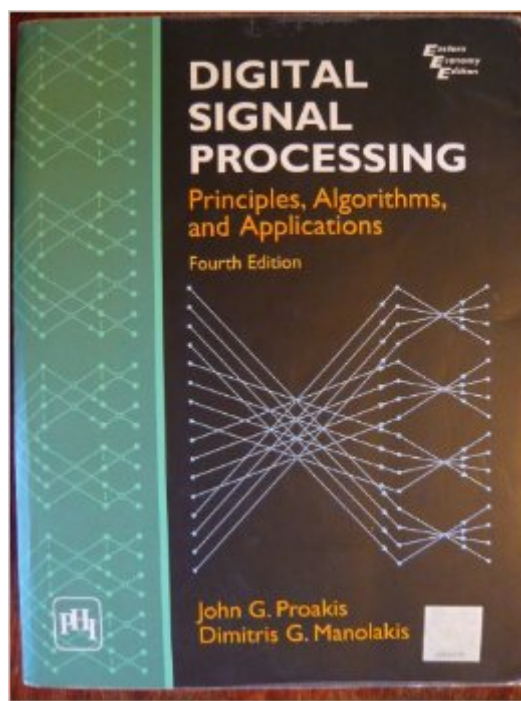


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Digital Signal Processing 4th Edition



Synopsis

Book by John G. Proakis, Dimitris K. Manolakis

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I just got it the other day, and saw much more changes than was originally reported. Most of the deletions are in the earlier chapters dealing with basic concepts of DSP (something usually dealt with in a senior undergraduate class on DSP), while the additions are mostly in the later chapters dealing with more advanced concepts - stuff usually dealt with in an advanced/graduate level course. Topics on LTI systems and their state space representation have been dropped en masse, while Adaptive filtering has been added as a new chapter. Some of the deletions are (Section #s are from the 3rd ed.): 2.6.4 - Computation of Autocorrelation Sequences 3.6.7 - Schur-Cohn Stability Test 4.2.12 - Physical and Mathematical Duality 4.4 - Frequency domain characteristics of LTI systems 4.5 - LTI systems as frequency selective filters 4.6 - Inverse systems and deconvolution 7.4 - State space analysis and structures 8.3.4 - Matched-z transformation 8.5 - Design of Digital Filters based on Least-Squares method 10.5 - The Direct Form FIR filter part of this section 10.5.

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