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Statistical and Adaptive Signal Processing Spectral Estimation, Signal Modeling, Adaptive Filtering, and Array Processing Dimitris G. Manolakis Massachusetts Institute of Technology Lincoln Laboratory Vinay K. Ingle Northeastern University Stephen M. Kogon Massachusetts Institute of Technology Lincoln Laboratory artechhouse.com

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for Statistical and Adaptive Signal Processing

Statistical and Adaptive Signal Processing - Solution Manual 78 5.4 For x(n) = y(n)w(n) where y(n) is y(n) = cos ?1 n + cos(2 n + ?) and w(n) is either a rectangular, Hamming, or Blackman window, the goal is to determine the smallest window length that will allow the two frequencies to be separable in the |X(e?j?)|² plots.

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STATISTICAL METHODS FOR SIGNAL PROCESSING

Statistical Digital Signal Processing and Modeling, Wiley, ISBN 978-0-471-59431-4, Haykin, Simon (2002). Adaptive Filter Theory, Prentice Hall, ISBN 978-0-13-048434-5, Widrow, Bernard; Stearns, Samuel D. (1985). Adaptive Signal Processing, Englewood Cliffs, NJ: Prentice Hall, ISBN 978-0-13-004029-9

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of Statistical Signal Processing: Detection Theory", S. Kay. The function subprograms Q,m and Qinv,m are required. 17. Fig.7.7new - computes Figure 7.7 in "Fundamentals of Statistical Signal Processing: Detection Theory", S. Kay. 18. gendata - generates a complex or real AR, MA, or ARMA time series given the filter parameters and

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Many practical signals are random in nature or modelled as random processes. Statistical Signal Processing involves processing these signals and forms the backbone of modern communication and signal processing systems.This course will the three broad components of statistical signal processing: random signal modelling, estimation theory and detection theory.

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Slides, ECE 5/638: Statistical Signal Processing I. Discrete-Time Processing: Revised 10.3.05; Discrete-Time Systems: Revised 10.12.05; Random Variables: Revised 10 ...

Statistical Signal Processing Slides

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