

Matlab Lecture 7 Signal Processing In Matlab

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1 Signal Processing – Modelling an Auditory System An auditory system mimics the behaviour of a biological cochlea found in humans and other mammals. The system converts a 1D discrete-time audio signal to a 2D time-frequency signal called an auditory spectrogram. From this spectrogram, audio information can be extracted as shown in Table 1. Its application include hearing aids, speech and ...

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Description. In this course digital signal processing topics will be explained both theoretically and using MATLAB programming. The sampling operation will be explained both in time domain and frequency domain. Upsampling and downsampling operations will be explained in details. Reconstruction of analog signals from digital signals is another topic ...

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$A(:,2) = []$ deletes 2nd column. $A(2:2:12) = []$ results in row vector of remaining elements. $A = A.*5$ Element-by-element multiplication. `[indices] = find(isprime(A))` format this command can be used for formatting the displayed numeric output (either in short or long format).

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8/1/2010 · Matlab: Speech Signal Analysis 1. Matlab:Speech Signal Analysis

2. Speech Signal Analysis

Speech signal processing refers to the manipulation, acquisition, storage, transfer and output of vocal output by a computing machine.

3.

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