

digital signal processing a pdf

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The Scientist and Engineer's Guide to Digital Signal

A signal is a function of independent variables such as time, distance, position, temperature and pressure. A signal carries information, and the objective of signal processing is to extract useful information carried by the signal. Signal processing is concerned with the mathematical

Digital Signal Processing

Digital Signal Processing 10 Unit Step Signal A signal, which satisfies the following two conditions- 1. $(P)=1$ ($S \geq 0$) 2. $(P)=0$ ($S < 0$) is known as a unit step signal. It has the property of showing discontinuity at $t=0$. At the point of discontinuity, the signal value is given by the average of signal value.

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As a result, the book's emphasis is more on signal processing than discrete-time system theory, although the basic principles of the latter are adequately covered. The book teaches by example and takes a hands-on practical approach that empha- ... digital signal 1 ...

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