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`Readers are shown how to apply all techniques to improve implementations of several DSP algorithms, using both ASICs and off-the-shelf programmable digital signal processors. The book features hundreds of graphs illustrating the various DSP algorithms, examples based on digital filters and transforms clarifying key concepts, and interesting end-of-chapter exercises that help match techniques with applications.`

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Usually a digital signal processing system incorporates an Analog Signal Processing or ASP subsystem prior to performing digital signal processing. The purpose of performing ASP is for signal conditioning which usually involves signal amplification and implementation of analog filtering techniques. All DSP systems have what is known as a sampling rate.

Real–Time Digital Signal Processing: Fundamentals …

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