Digital Signal Processing

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著者:Sanjit K. Mitra

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This text introduces the tools for the analysis and design of discrete-time systems. Starting with a review of fundamental theory, it includes methods for the design of linear time-invariant discrete-time systems to meet prescribed design specifications. It also provides coverage of the analysis and effects of quantization of signal and system parameters due to finite word-length base implementation of systems. MATLAB exercises are used throughout the text to illustrate important concepts, difficult analytical results and typical practical problems. The final chapter of the text focuses on important practical applications of digital signal processing.

作者介绍:

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标签

评论

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书评

这学期DSP的教材，仔细的看了前半本书，后来实在没时间了就看的老师的课件。
之前在国内学习时用的是奥本海默的那本《离散时间信号处理》。这本书与奥本海默版对比，最突出的特色就是与MATLAB的紧密结合（从书名就可以看出）。书中开篇就讲到DSP就是利用计算机进行信号处理，...

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