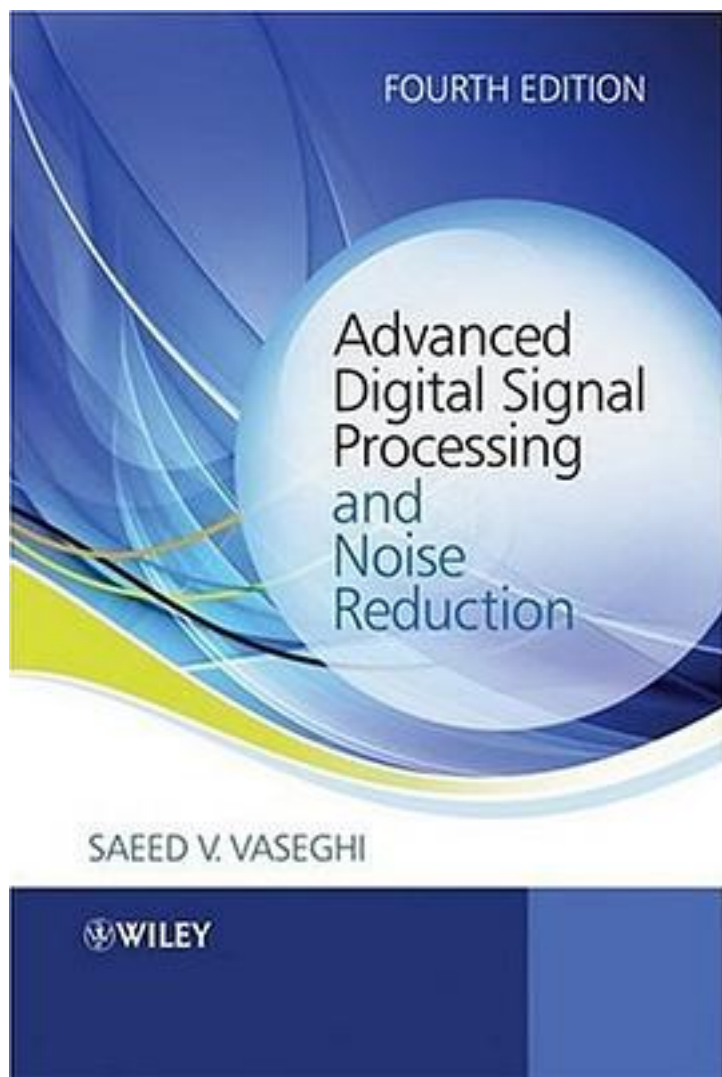


# Advanced Digital Signal Processing and Noise Reduction



[Advanced Digital Signal Processing and Noise Reduction\\_下载链接1](#)

著者:Vaseghi, Professor Saeed V.

出版者:

出版时间:2009-3

装帧:

isbn:9780470754061

Digital signal processing plays a central role in the development of modern communication and information processing systems. The theory and application of signal processing is concerned with the identification, modelling and utilisation of patterns and structures in a signal process. The observation signals are often distorted, incomplete and noisy and therefore noise reduction, the removal of channel distortion, and replacement of lost samples are important parts of a signal processing system. The fourth edition of Advanced Digital Signal Processing and Noise Reduction updates and extends the chapters in the previous edition and includes two new chapters on MIMO systems, Correlation and Eigen analysis and independent component analysis. The wide range of topics covered in this book include Wiener filters, echo cancellation, channel equalisation, spectral estimation, detection and removal of impulsive and transient noise, interpolation of missing data segments, speech enhancement and noise/interference in mobile communication environments. This book provides a coherent and structured presentation of the theory and applications of statistical signal processing and noise reduction methods. Two new chapters on MIMO systems, correlation and Eigen analysis and independent component analysis Comprehensive coverage of advanced digital signal processing and noise reduction methods for communication and information processing systems Examples and applications in signal and information extraction from noisy data Comprehensive but accessible coverage of signal processing theory including probability models, Bayesian inference, hidden Markov models, adaptive filters and Linear prediction models Advanced Digital Signal Processing and Noise Reduction is an invaluable text for postgraduates, senior undergraduates and researchers in the fields of digital signal processing, telecommunications and statistical data analysis. It will also be of interest to professional engineers in telecommunications and audio and signal processing industries and network planners and implementers in mobile and wireless communication communities.

作者介绍:

目录:

[Advanced Digital Signal Processing and Noise Reduction\\_下载链接1](#)

标签

Signal

Reduction

Processing

Noise

Digital

Advanced

计算机科学

and

评论

看不懂只因自己数学太差！

-----  
还是要读书啊

-----  
[Advanced Digital Signal Processing and Noise Reduction\\_下载链接1](#)

书评

-----  
[Advanced Digital Signal Processing and Noise Reduction\\_下载链接1](#)