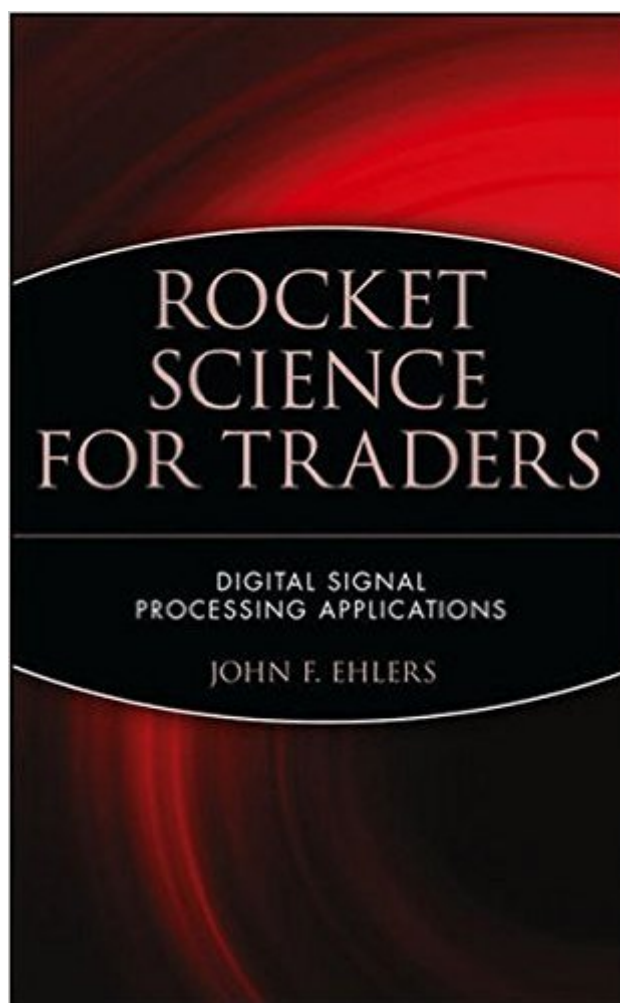# Rocket Science For Traders: Digital Signal Processing Applications

Synopsis

Predict the future more accurately in today's difficult trading times The Holy Grail of trading is knowing what the markets will do next. Technical analysis is the art of predicting the market based on tested systems. Some systems work well when markets are "trending," and some work well when they are "cycling," going neither up nor down, but sideways. In Trading with Signal Analysis, noted technical analyst John Ehlers applies his engineering expertise to develop techniques that predict the future more accurately in these times that are otherwise so difficult to trade. Since cycles and trends exist in every time horizon, these methods are useful even in the strongest bull--or bear--market. John F. Ehlers (Goleta, CA) speaks internationally on the subject of cycles in the market and has expanded the scope of his contributions to technical analysis through the application of scientific digital signal processing techniques.

Book Information

Hardcover: 264 pages

Publisher: Wiley; 1st edition (July 20, 2001)

Language: English

ISBN-10: 0471405671

ISBN-13: 978-0471405672

Product Dimensions: 6.2 x 0.9 x 9.3 inches

Shipping Weight: 1.3 pounds (View shipping rates and policies)

Average Customer Review: 4.2 out of 5 stars See all reviews (20 customer reviews)

Best Sellers Rank: #944,814 in Books (See Top 100 in Books)   #38 in Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design > DSPs   #748 in Books > Textbooks > Business & Finance > Investments & Securities   #788 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits

Customer Reviews

Whoever reads the reviews for this book will note the polarity: people either think it's wonderful or it's horrid. I'll try to give a more balanced review here. * This book is for the mathematically/analytically inclined. If you don't consider yourself in this category, I would not suggest this book. At the VERY least you should have a solid background in trigonometry. * This book is exactly what is says: Digital-Signal Processing (DSP) applied to stock trading. I myself am an Electrical Engineer who's day-job consists of about 90% DSP-work / 10% other tasks. For this reason, I believe I can fairly say that the DSP concepts presented are done so in a fairly clear and

fairly accurate manner (this varies from time-to-time). * Most of the concepts presented in Ehlers' book would be what I consider "traditional" DSP. There is a problem here (that is almost completely overlooked in the book): "Traditional" DSP is based on a series of assumptions that must be at least approximately fulfilled. Recent academic research has tended to show that stock-market "signals" tend NOT to fulfill these assumptions very well. In some ways, this puts a significant dent (in my view) in the theory used as the basis for the indicators derived. * The attention to detail at times is very obtrusive to a reader with a keen eye and understanding of what is being described. For example: there is (what I consider to be) a glaring error in the MAMA filter that no one has ever pointed out and that is not corrected on his website. How has this escaped notice for so long? [Side note: be careful about his claim that MAMA's avoid whipsaws - they DON'T at all in ranging markets!

Rocket Science for Traders: Digital Signal Processing Applications US Army Technical Manual, ARMY AMMUNITION DATA SHEETS FOR ROCKETS, ROCKET SYSTEMS, ROCKET FUZES, ROCKET MOTORS, (FSC 1340), TM 43-0001-30, 1981 Multidimensional Digital Signal Processing (Prentice-Hall Signal Processing Series) Digital Signal Processing with Examples in MATLAB®, Second Edition (Electrical Engineering & Applied Signal Processing Series) Digital Signal Processing: with Selected Topics: Adaptive Systems, Time-Frequency Analysis, Sparse Signal Processing Bayesian Signal Processing: Classical, Modern and Particle Filtering Methods (Adaptive and Cognitive Dynamic Systems: Signal Processing, Learning, Communications and Control) Discrete-Time Signal Processing (3rd Edition) (Prentice-Hall Signal Processing Series) Signal Processing Algorithms in Fortran and C (Prentice-Hall Signal Processing Series) Applications of Digital Signal Processing to Audio and Acoustics (The Springer International Series in Engineering and Computer Science) LabVIEW Digital Signal Processing: and Digital Communications Digital Signal Processing: Principles, Algorithms and Applications (3rd Edition) Digital Signal Processing: Fundamentals and Applications Digital Signal Processing: Principles, Algorithms and Applications Practical Applications in Digital Signal Processing Digital Signal Processing Applications With Motorola's DSP56002 Processor Real Time Digital Signal Processing Applications With Motorola's Dsp56000 Family Real-Time Digital Signal Processing: Implementations and Applications Digital Signal Processing, Second Edition: Fundamentals and Applications Digital Signal Processing: A Computer Science Perspective Image Sensors and Signal Processing for Digital Still Cameras (Optical Science and Engineering)