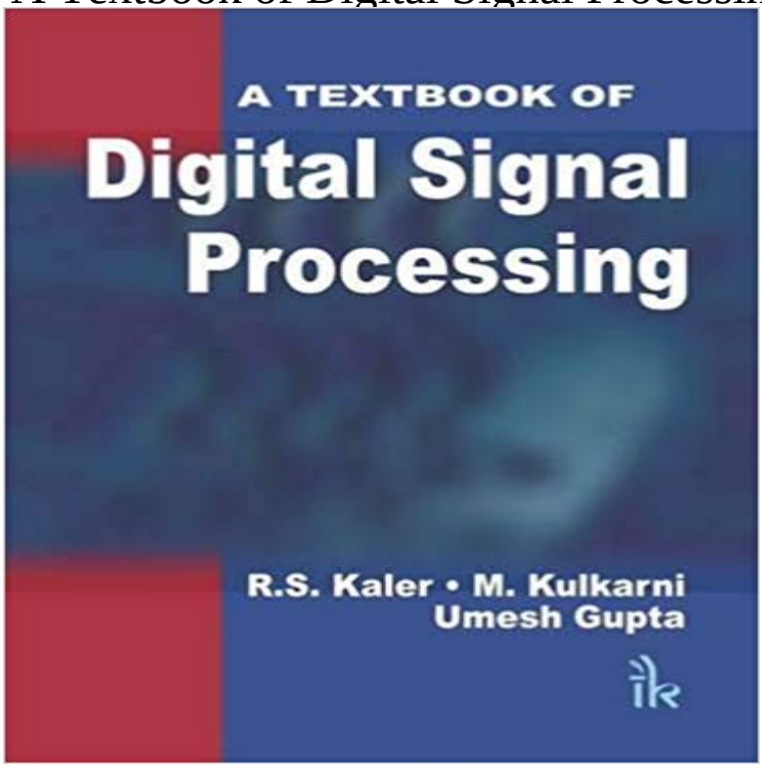
A Textbook of Digital Signal Processing



This book presents theoretical and application topics in digital signal processing (DSP). The topics here comprise clever DSP tricks of the trade not covered in traditional DSP textbooks. Here we go beyond the standard DSP fundamentals textbook and present new, but tried-n-true, clever implementations of digital filter design, spectrum analysis, signal generation, high-speed function approximation and various other DSP functions. With this book we wished to create a resource that is relevant to the needs of the working DSP engineer by helping bridge the theory-to-practice gap between introductory DSP textbooks and the esoteric, difficult to understand, academic journals. This book will be useful to experienced DSP engineers, due to its gentle tutorial style it will also be of considerable value to the DSP beginner. The mathematics used herein is simple algebra and the arithmetic of complex numbers, making this material accessible to a wide engineering and scientific audience. Fortunately, the chapter topics in this book are written in a standalone manner, so the subject matter can be read in any desired order. Contents: Introduction to Digital Signal Processing / Review of Signals and Systems / Fourier Series and Fourier Transform / Discrete Fourier Transform (DFT) and Fast Fourier Transform (FFT) / Z-Transform / Digital Filter Structures and Design / Finite Impulse Response Filter Designs / IIR Filter Designs / Adaptive Filters / Multirate Digital Signal Processing / Introduction and Basics of Two-Dimensional DSP / Equalization Algorithms / Digital Signal Processors / DSP Applications / Appendices / Glossary / Index.

This book attempts to cover the DSP field from a non too mathematical approach - which is nice. You would however need an electronic engineering backVintage Aircraft Design Password Book for Website, Internet. WTF is my

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