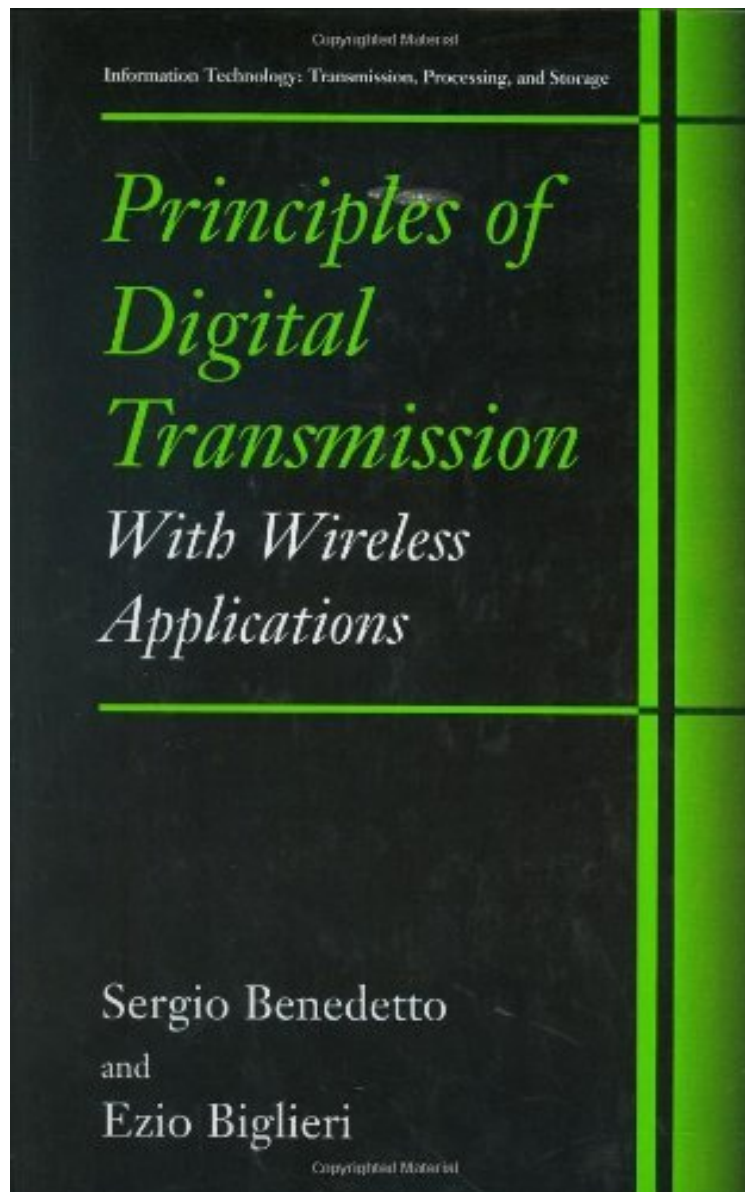


(Download) Principles of Digital Transmission: With Wireless Applications (Information Technology: Transmission, Processing and Storage)

Principles of Digital Transmission: With Wireless Applications (Information Technology: Transmission, Processing and Storage)

Von Sergio Benedetto, Ezio Biglieri

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Von Sergio Benedetto, Ezio Biglieri : Principles of Digital Transmission: With Wireless Applications (Information Technology: Transmission, Processing and Storage) before purchasing it in order to gage whether or not it would be worth my time, and all praised Principles of Digital Transmission: With Wireless Applications

(Information Technology: Transmission, Processing and Storage):

KundenrezensionenHilfreichste Kundenrezensionen0 von 0 Kunden fanden die folgende Rezension hilfreich. Good reading for those interested in Digital CommunicationsVon Julius KusumaEzio Biglieri has again written a good text on Digital Communications, following his popular book on TCM (Trellis-Coded Modulation). This book avoided the pitfall of covering too much material, but only barely. Don't get me wrong: there's a lot of excellent and state-of-the-art knowledge in this book, but the problem is exactly that there's a lot of excellent and state-of-the-art knowledge in this book. I see this book more along the idea of Proakis' "Digital Communications" book, which is a reference first, tutorial second, although this book is much easier to read than Proakis' book. Although the title suggests strong emphasis on wireless communications (which is good), most of the book applies to the general notion of Digital Communications, and even includes a chapter on Voltaire channels (dispersive channels). There are several small sections on the very recent research results, such as turbo codes and belief propagation decoding. This is very nice, but it's also very brief. Too brief to be a tutorial. So if you're looking for an alternative to Proakis' "Digital Communications", this is a no-compromise alternative in terms of coverage.

KurzbeschreibungPrinciples of Digital Transmission is designed for advanced undergraduate and graduate level students and professions in telecommunications. Teachers and learners can mix and match chapters to create four distinct courses: (1) a one-term basic course in digital communications; (2) a one-term course in advanced digital communications; (3) a one-term course in information theory and coding; (4) a two-term course sequence in digital communications and coding. The book provides rigorous mathematical tools for the analysis and design of digital transmission systems. The authors emphasize methodology in their aim to teach the reader how to do it rather than how it is done. They apply the fundamental tools of the discipline onto a number of systems, such as wireless data transmission systems. PressestimmenFrom the preface: `... we hope that those who liked the previous book will find again its flavor here, while new readers, untouched by nostalgia, will judge it favorably.' KurzbeschreibungPrinciples of Digital Transmission is designed for advanced undergraduate and graduate level students and professions in telecommunications. Teachers and learners can mix and match chapters to create four distinct courses: (1) a one-term basic course in digital communications; (2) a one-term course in advanced digital communications; (3) a one-term course in information theory and coding; (4) a two-term course sequence in digital communications and coding. The book provides rigorous mathematical tools for the analysis and design of digital transmission systems. The authors emphasize methodology in their aim to teach the reader how to do it rather than how it is done. They apply the fundamental tools of the discipline onto a number of systems, such as wireless data transmission systems.