Digital Systems Engineering

Von William J. Dally, John W. Poulton
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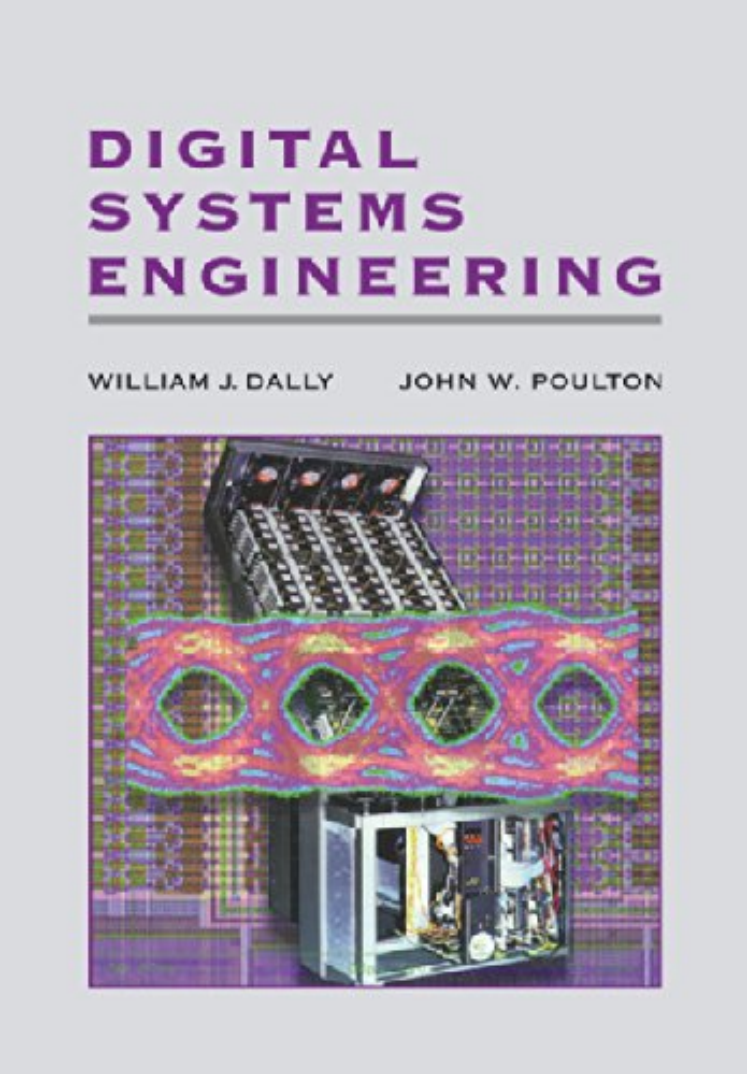

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really wonderful book on digital system engineering!Von RFAnalogI like this book very much, which has everything about today's high-speed digital system design. Deep submicron design becomes more and more challenging and we have to deal with so many headache problems such as interconnects, clock and power distribution etc. This book provides all of the guidelines and practical solutions about physical design. It is a cool book with low price!0 von 0 Kunden fanden die folgende Rezension hilfreich. The BEST book ever published on the subjectVon CustomerAs a high speed digital system designer, you can not afford to neglect this great book. There are lots of insights and details for experienced designers. Thank Dally and Poulton.

KurzbeschreibungWhat makes some computers slow? Why do some digital systems operate reliably for years while others fail mysteriously every few hours? How can some systems dissipate kilowatts while others operate off batteries? These questions of speed, reliability, and power are all determined by the system-level electrical design of a digital system. Digital Systems Engineering presents a comprehensive treatment of these topics. It combines a rigorous development of the fundamental principles in each area with real-world examples of circuits and methods. The book not only serves as an undergraduate textbook, filling the gap between circuit design and logic design, but can also help practising digital designers keep pace with the speed and power of modern integrated circuits. The techniques described in this book, once used only in supercomputers, are essential to the correct and efficient operation of any type of digital system.Pressestimmen of the hardback: 'Not many comprehensive references exist on this subject, and this book is one of the best available.' Computing sber das ProduktThe questions of speed, reliability, and power are all determined by the system-level electrical design of a digital system. Digital Systems Engineering presents a comprehensive treatment of these topics. It combines a rigorous development of the fundamental principles in each area with down-to-earth examples of circuits and methods that work in practice.