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Unique in approach, this book provides a comprehensive look at silicon technology - with a focus on modern computer modeling. It describes not only the production practices associated with the technologies used in the production of silicon chips, but also the underlying scientific basis for these technologies. KEY TOPICS: Modern CMOS technology. Crystal growth, wafer manufacturing and the basic properties of silicon wafers. Semiconductor production - Clean rooms, wafer cleaning and gettering. Lithography. Thermal oxidation and the Si/SiO<sub>2</sub> interface. Dopant diffusion. Implantation of the ion. Thin film diffusion. Etching. Backend technology. MARKET: For those who are interested in manufacturing processes. © 1996-2014, Amazon.com, Inc. or its Delivery Associate affiliates will place an order on your doorstep and move back to maintain a 2-meter distance. Customer signatures are not required at the time of delivery. To pay for delivery orders, we recommend paying with a credit card/debit card/netbanking via a paid link sent via SMS at the time of delivery. To pay in cash, place the cash on top of the delivery box and step back. Amazon directly manages the delivery of this product. Tracking the delivery of an order to your doorstep is available. VLSI Silicon Technology - Basics, Practice and Modeling is a handbook that provides detailed information on the field of silicon technology, with a focus on the concept of modern computer modeling. It not only delves into the production of silicon chips, but also examines the basic scientific technologies involved in this process. It also provides a backdrop to the invention of silicon chip and its development over the years. The book presents several methods and examples of modern computer modeling. Some of the concepts covered in the CMOS technology book are lithography, plate manufacturing, dopant diffusion, fine film deposition, and etching. The book was published in 2009 by Pearson. James D. Plummer is dean of the Stanford University School of Engineering. He holds a degree in Electrical Engineering, including a doctorate from Stanford University. He has extensive experience in silicon technology. It was also one of the invented T-RAM, a type of computer memory. Along with Plummer, Michael D. Deal and Peter B. Griffin are also co-authors of Silicon VLSI Technology: Basics, Practice and Modeling (Prentice Hall Electronics and VLSI Series). Start your review of VLSI Silicon Technology: Basics, Practice and Simulation a very important text for engineers or scientists working on semiconductor technology. The book can be used or applied to other materials of the system other than Si, which is the main focus at this time of this book is written and published. 1-31 Start your review of VLSI Silicon Technology Keshav Sharma rated it was amazing August 13, 2018 Yugal Yadav rated it really really really it's Sep 02, 2020 zoya tagged it as a reading march 19, 2012 Abd tagged it as a reading October 14, 2013 Hamid marked it as a k-read November 20, 2014 Arun tagged it as a k-read January 17, 2015 Debabrata noted it as a k-read August 04, 2015 Tom marked it as a k-read August 26, 2015 Bhaveah noted it as a-read January 14, 2016 Kieran marked it as a k-read February 02, 2016 Sujot marked it as to read September 10, 2017 Raziye marked it as a-read October 13, 2017 Yifuz tagged it as a k-read March 08, 2018 Shreyas marked it as a k-read May 28, 2018 Er Kumar noted it as a k-read Sep 01, 2018 Navya noted it as a k-read February 25, 2019 Go to the main content Go to the main navigation We use cookies to give you the best experience on our website. Continuing, you agree to use cookies. We have recently updated our policy. Close this message and continue ISBN-13: 9780130850379 Published by Pearson (April 17, 2020) - Copyright © 2001 you will receive the associated printed text. Sms. silicon vlsi technology book pdf

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