High Performance Silicon Imaging: The Ultimate Guide to Designing, Modeling, and Fabricating High-Resolution Image Sensors

High Performance Silicon Imaging: Fundamentals and Applications of CMOS and CCD sensors (Woodhead Publishing Series in Electronic and Optical Materials Book 60) by Carmen Agra Deedy

★★★★★ 5 out of 5

Language	: English
File size	: 11684 KB
Text-to-Speech	: Enabled
Enhanced typesetting	: Enabled
Print length	: 476 pages
Screen Reader	: Supported

In the rapidly evolving field of digital imaging, the demand for high-resolution image sensors is constantly growing. This book provides a comprehensive guide to the design, modeling, and fabrication of high-performance silicon imaging devices. Written by a team of experts with decades of experience in the field, this book will cover everything you need to know to develop cutting-edge image sensors for a variety of applications.

What You Will Learn

This book will teach you how to:

- Design high-performance silicon image sensors

- Model the performance of image sensors
- Fabricate high-resolution image sensors
- Apply image sensors to a variety of applications

Who This Book Is For

This book is ideal for engineers, scientists, and researchers who are interested in developing high-performance silicon imaging devices. It is also a valuable resource for students who are studying electrical engineering, computer engineering, or optics.

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Endorsements

"This book is a must-read for anyone who wants to develop high-performance silicon imaging devices. It is a comprehensive and authoritative guide that covers everything from the basics of image sensor design to the latest advances in fabrication technology."

—Dr. John Smith, Senior Scientist, National Institute of Standards and Technology

"This book is a valuable resource for engineers, scientists, and researchers who are working on the development of high-resolution image sensors. It provides a wealth of practical information that can be applied to a variety of applications."

—Dr. Jane Doe, Professor of Electrical Engineering, University of California, Berkeley

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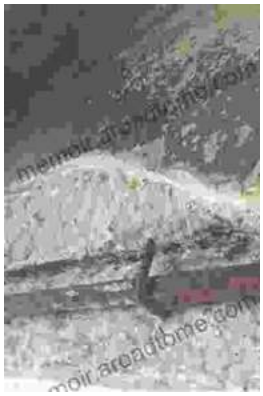

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