

Solid-State Imaging with Charge-Coupled Devices

by

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Solid State Imaging With Charge Coupled Devices

Arturo Cuomo



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Jespers, F. van de Wiele, M.H. White, 1976-05-31 An Advanced Study Institute on solid state imaging was held in Louvain la Neuve Belgium on September 3 12 1975 under the auspices of the Scientific Affairs Division of NATO The Institute was organized by a scientific organizing committee consisting of Professor Paul Jespers and Professor Fernand Van de Wiele of the Universite Catholique de Louvain and Dr Marvin H White of the Westinghouse Electric Corporation This book represents the contributions of the lecturers at the Institute and the chapters present for the first time a concise treatment of a very timely subject namely solid state imaging The organization of the book parallels the program at the Institute with an introduction comprised of historical development and applications This is followed by the physics of photosensors which leads quite naturally into the various solid state photosensor arrays The subject of signal extraction which is often an overlooked area follows and the last part of the book is devoted to the various systems considerations The subject matter of this book is suitable for a wide range of interests from the advanced student through the practicing physicist and engineer to

the research worker Although a novice may find some difficulty with the mathematical development he can acquire a perspective into the field of solid state imaging with this book Likewise portions of this book may be used as a text book since the chapters are instructional and self contained Scientific Charge-coupled Devices James R. Janesick,2001 The book provides invaluable information to scientists engineers and product managers involved with imaging CCDs as well as those who need a comprehensive introduction to the subject Page 4 de la couverture *Charge-coupled Devices and Solid State Optical Sensors* ,1995 *Charge-coupled Devices and Solid State Optical Sensors* Morley M. Blouke,1990

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