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Fundamentals of Silicon-based phototransduction | CMOS imagers

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The idea of writing a book on CMOS imaging has been brewing for several years. It was placed on a fast track after we agreed to organize a tutorial on CMOS sensors for the 2004 IEEE International Symposium on Circuits and Systems (ISCAS 2004).

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of physics cmos imagers from phototransduction to image processing their unifying theme however is the advancement of knowledge for the development of systems for cmos imaging and image processing we hope that this book will highlight the ideas that have been pioneered by the authors while providing a image processing fundamental theories of physics cmos imagers from phototransduction to image processing fundamental theories of physics and collections to check out we additionally offer ...

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This is the first book published on CMOS imagers. It covers the full chain, starting from the basic concepts of photo transduction, and continues with pixel and system examples of CMOS Active Pixel Sensor (APS) imagers. CMOS Imagers: From Phototransduction to Image Processing contains six contributed chapters.

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