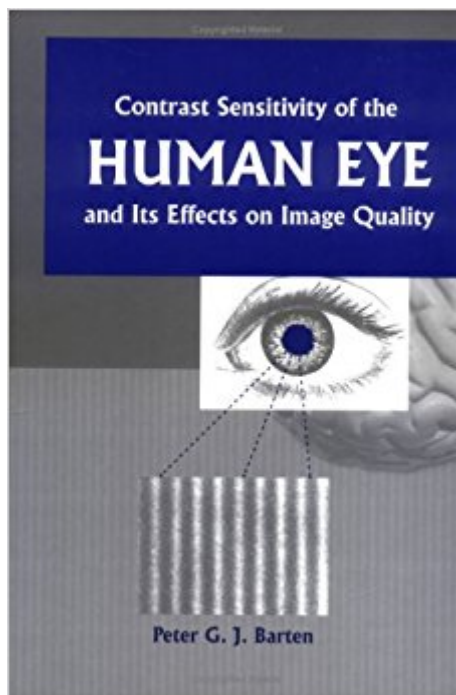


The book was found

Contrast Sensitivity Of The Human Eye And Its Effects On Image Quality (SPIE Press Monograph Vol. PM72)



Synopsis

Examines contrast sensitivity of the human visual system--concerning the eye's ability to distinguish objects from each other or from the background--and its effects on the image-forming process. The text provides equations for determining various aspects of contrast sensitivity, in addition to models (mathematical expressions) that can easily be adapted for practical applications. Contents - Introduction - References - Modulation threshold and noise - Model for the spatial contrast sensitivity of the eye - Extension of the contrast sensitivity model to extra-foveal vision - Extension of the contrast sensitivity model to the temporal domain - Effect of nonwhite spatial noise on contrast sensitivity - Contrast discrimination model - Image quality measure - Effect of various parameters on image quality - Epilogue - Summary - Samenvatting - Acknowledgments - Curriculum Vitae

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Customer Reviews

Peter G.J. Barten is an independent consultant with a special emphasis on image quality. He graduated in physics from the Technical University of Delft, Netherlands, and oversaw the development of color CRTs at Philips in Eindhoven. In 1999 he received a Ph.D. from the Technical University of Eindhoven. He has written numerous technical papers and a chapter on electron optics in the "TV & Video Engineer's Reference Book."

This book is a very nice reference book for your journal writing or research regarding contrast sensitivity issues.

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