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| Titolo | Estimating the size of the shadow economy : methods, problems and open questions |
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| Altri autori (Persone) | Schneider, Friedrich
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| 2. Record Nr. | UNISA996418163803316 |
| Autore | Matsushima Kyoji |
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| Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020 |
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| Collana | Series in Display Science and Technology, , 2509-5900 |
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Nota di bibliografia

Includes bibliographical references and index.

Nota di contenuto

Chapter 1 - Introduction -- Chapter 2 - Overview of computer holography -- Chapter 3 - Introduction to wave-optics -- Chapter 4 - The Fourier Transform and Mathematical Preliminaries -- Chapter 5 - Diffraction and Field Propagation -- Chapter 6 - Numerical Field Propagation Between Parallel Planes -- Chapter 7 - Holography -- Chapter 8 - Computer Holography -- Chapter 9 - The Rotational Transform of Wavefield -- Chapter 10 - The Polygon-Based Method -- Chapter 11 - The Silhouette Method -- Chapter 12 - Shifted Field Propagation -- Chapter 13 - Simulated Reconstruction Based on Virtual Imaging -- Chapter 14 - Digitized Holography -- Chapter 15 - Fabrication of High-Definition CGH.

Sommario/riassunto

This book covers basic- to expert-level applications in computer holography, a strong candidate for the ultimate 3D display technology. The computer holography developed in the course of the past decade represents the basis of wave optics. Accordingly, the book presents the basic theory of wave optics and practical techniques for handling wave fields by means of the fast Fourier transform. Numerical techniques based on polygons, as well as mask-based techniques, are also presented for calculating the optical fields of virtual 3D models with occlusion processing. The book subsequently describes simulation techniques for very large-scale optical fields, and addresses the basics and concrete applications of simulation, offering a valuable resource for readers who need to employ it in the context of developing optical devices. To aid in comprehension, the main content is complemented by numerous examples of optical fields and photographs of reconstructed 3D images.
