

1. Record Nr.	UNINA9910144593903321
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Titolo	Holography : a practical approach / / Gerhard K. Ackermann, Jurgen Eichler
Pubbl/distr/stampa	Weinheim, Germany : , : Wiley-VCH GmbH, , [2007] ©2007
ISBN	1-281-76462-0 9786611764623 3-527-61913-5 3-527-61914-3
Descrizione fisica	1 online resource (339 p.)
Disciplina	621.3675
Soggetti	Holography Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Holography A Practical Approach; Contents; Preface; Part 1 Fundamentals of Holography; 1 Introduction; 1.1 Photography and Holography; 1.1.1 Object Wave; 1.1.2 Photography; 1.1.3 Holography; 1.2 Interference and Diffraction; 1.2.1 Interference During Recording; 1.2.2 Diffraction During Reconstruction; 1.3 History of Holography; Problems; 2 General View of Holography; 2.1 Interference of Light Waves; 2.1.1 Wave; 2.1.2 Interference; 2.1.3 Visibility; 2.1.4 Influence of Polarization; 2.2 Holographic Recording and Reconstruction; 2.2.1 Recording; 2.2.2 Reconstruction; 2.3 Mathematical Approach 2.3.1 Object and Reference Wave2.3.2 Recording; 2.3.3 Gratings; 2.3.4 Reconstruction; 2.4 Conjugated Image; 2.4.1 Conjugated Object Wave; 2.4.2 Position of the Conjugated Image; 2.4.3 Reversal of the Reconstruction Wave; 2.5 Spatial Frequencies; 2.6 Diffraction Grating and Fresnel Lens; 2.6.1 Diffraction Grating; 2.6.2 Fresnel Zone Lens; Problems; 3 Fundamental Imaging Techniques in Holography; 3.1 In-Line Hologram (Gabor); 3.2 Off-Axis Hologram (Leith-Upatnieks); 3.3 Fourier Hologram (Lensless); 3.4 Fraunhofer Hologram; 3.5 Reflection Hologram (Denisyuk); Problems

4 Holograms of Holographic Images
4.1 Image-Plane Hologram; 4.2 Transmission and Reflection Hologram in Two Steps; 4.3 Rainbow Hologram; 4.4 Double-Sided Hologram; 4.5 Fourier Hologram; 4.5.1 Principle; 4.5.2 Calculation; Problems; 5 Optical Properties of Holographic Images; 5.1 Hologram of an Object Point; 5.1.1 Image Equations; 5.1.2 Magnification; 5.1.3 Angular Magnification; 5.1.4 Longitudinal Magnification; 5.1.5 Image Aberrations; 5.2 Properties of the Light Source; 5.2.1 Spectral Bandwidth; 5.2.2 Image-Plane Holograms; 5.3 Image Luminance; 5.3.1 Without Pupil; 5.3.2 With Pupil 5.3.3 Image-Plane Holograms
5.4 Speckles; 5.4.1 Diffuser; 5.4.2 Resolution; 5.4.3 Incoherent Illumination; 5.4.4 Further Techniques; 5.5 Resolution; Problems; 6 Types of Holograms; 6.1 Introduction; 6.1.1 Transmission and Reflection Holograms; 6.1.2 Thick and Thin Holograms; 6.2 Thin Holograms; 6.2.1 Thin Amplitude Holograms; 6.2.2 Thin Phase Holograms; 6.3 Volume Holograms; 6.3.1 Theory of Coupled Waves; 6.3.2 Phase Holograms; 6.3.3 Amplitude Holograms; 6.3.4 Comparison of Diffraction Efficiency; 6.3.5 Distinction Criteria for Holograms; Problems; Part 2 Basic Experiments
7 Optical Systems and Lasers for Holography
7.1 Coherence and Interferometers; 7.1.1 Coherence; 7.1.2 Spatial Coherence; 7.1.3 Temporal Coherence; 7.2 Modes and Coherence; 7.2.1 Gaussian Beam; 7.2.2 Longitudinal Modes; 7.2.3 Coherence Length; 7.2.4 Etalon; 7.3 Gas Lasers for Holography; 7.3.1 He-Ne Laser; 7.3.2 Ion Laser; 7.3.3 He-Cd Laser; 7.4 Solid-State Lasers for Holography; 7.4.1 Ruby Laser; 7.4.2 Nd:YAG Laser; 7.5 Lenses and Spatial Filters; 7.5.1 Gaussian Beam; 7.5.2 Focusing; 7.5.3 Geometrical Optics; 7.5.4 Spatial Filters; 7.5.5 Beam Expansion; 7.6 Polarizers and Beam Splitters
7.6.1 Polarization

Sommario/riassunto

From fundamentals to advanced experiments and applications, this book explains how holography works. It guides students from simple optics to advanced topics in holography, following a practical approach using real-world materials. This proven university textbook contains exercises plus solutions as well as instructions for more than 20 experiments.
