

1. Record Nr.	UNINA9910973807803321
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Titolo	Holographic microscopy of phase microscopic objects : theory and practice // Tatyana Tishko, Tishko Dmitry, Titov Vladimir
Pubbl/distr/stampa	Singapore, : World Scientific, 2011
ISBN	9786613433343 9781283433341 1283433346 9789814289559 9814289558
Edizione	[1st ed.]
Descrizione fisica	1 online resource (109 p.)
Altri autori (Persone)	TishkoDmitry TitovV. P (Vladimir Petrovich)
Disciplina	502.82 502.825
Soggetti	Electron microscopes Microscopy Microscopy - Technique
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	Preface; Contents; Introduction; Chapter 1 Classical Microscopy and Methods of Phase Microscopic Objects Visualization; 1.1 The theory of object imaging by microscope; 1.2 Phase microscopic objects; 1.3 Interference phenomenon; 1.4 F. Zernike's phase-contrast method; 1.5 The interference-contrast method; 1.5.1 Interferometry in an infinitely wide fringe; 1.5.2 The method of interferometry in fringes of finite width; 1.6 The polarization-contrast method; Chapter 2 Holography and Holographic Microscopy; 2.1 Holography as the method of wave recording and reconstruction 2.2 History of holographic microscopyChapter 3 Holographic Methods of Phase Microscopic Object Imaging and the Digital Holographic Interference Microscope; 3.1 Holographic phase-contrast method; 3.2 Holographic interferometry in fringes of finite width; 3.3 Comparison of the holographic methods; 3.4 Sensitivity of the holographic methods; 3.5 The holographic polarization-contrast method; 3.6 The digital

holographic interference microscope; 3.7 Digital holographic microscopy; Chapter 4 Application of the Digital Holographic Interference Microscope for Blood Cells Study
 4.1 DHIM study of 3D morphology of blood erythrocytes
 4.2 Ozone therapy influence on 3D morphology of blood erythrocytes; 4.3 Blood erythrocytes in hematological diseases; 4.4 Blood erythrocytes of pregnant women and newborns; 4.5 Gamma-radiation influence on blood erythrocytes; 4.6 Conclusions; Chapter 5 DHIM Study of Thin Transparent Films; Conclusions; References; Bibliography; Index

Sommario/riassunto

The book presents a clear and comprehensive review of the current status of the holographic microscopy with discussion of the positive and negative features of classical and holographic methods for solving the problem of three-dimensional (3D) imaging of phase microscopic objects. Classical and holographic methods of phase, interference and polarization contrast are discussed. Combination of the developed holographic methods with the methods of digital image processing allowed creating the digital holographic interference microscope (DHIM). The first 3D images of native phase microscopic object

2. Record Nr. UNINA9910682530903321

Titolo Games : research & practice

Pubbl/distr/stampa New York, NY : , : Association for Computing Machinery, , [2023]-

ISSN 2832-5516

Disciplina 794.8

Soggetti Games

Lingua di pubblicazione Inglese

Formato Materiale a stampa

Livello bibliografico Periodico