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VISUALIZATION ""; ""1.1 Classical Methods of Phase Microscopic Objects Visualization ""; ""1.1.1 Zernike phase-contrast method""; ""1.1.2 The method of interference contrast ""; ""1.2 Holography as the Method of Recoding and Reconstruction of Waves ""; ""1.3 Holographic Methods of Phase Microscopic Objects Visualization ""; ""1.3.1 History of holographic microscopy ""
 ""1.3.2 Holographic phase-contrast method (the method of holographic addition and subtraction in an interference fringe) """"1.3.3 The method of holographic interferometry in fringes of finite width ""; ""1.3.4 Comparison of the possibilities of the holographic methods for solution the problem of obtaining 3D images of phase microobjects ""; ""1.4 Digital Holographic Interference Microscope ""; ""2. APPLICATION OF THE DIGITAL HOLOGRAPHIC MICROSCOPY FOR PHASE MICROOBJECTS STUDY""; ""2.1 DHIM Study of The 3D Morphology of Blood Erythrocytes""; ""2.2 DHIM Study of Thin Transparent Films ""
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Sommario/riassunto

Electron microscope tomography (EMT) has emerged as the leading technique for three-dimensional (3D) structural analysis of unique complex biological specimens. This book reviews the different computational stages involved in EMT, from image acquisition to interpretation of the 3D reconstruction.
