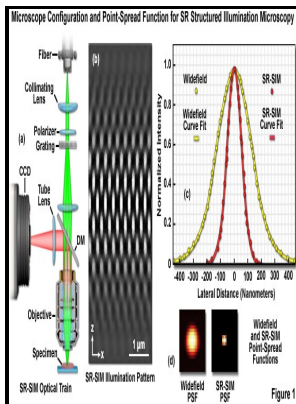


Microscopy by reconstructed wave-fronts.

British Thomson-Houston Research Laboratory - GB685286A



Description: -

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Notes: Reprinted from the Proceedings of the Royal Society, A, vol.197, 1949.

This edition was published in 1949



Filesize: 24.38 MB

Tags: #GB685286A

Microscopy

Nature Materials 4 7 : 557—561.

OSA

Abstract The subject of this paper is a new two-step method of optical imagery. They demonstrated that the way to improve the electron microscope was by removing the thing that is at the very heart of the device - the lens.

OSA

Movie of a sequence of images obtained by means of the optical microscope by changing the distance of microscope objective-MEMS and the reconstructed amplitude images of the same MEMS obtained by a single digital hologram but reconstructed numerically at different distances.

Digital Holographic Microscopy for 3D Imaging of Complex Fluids and Biological Systems

There have been some few publications concerning speckle reduction in holographic transmission microscopy, but the methods described do not apply to microscopic interferometry. DSA was cut to form the microchannels 6.

Quantifying the 2.5D imaging performance of digital holographic systems

The coherence length of a source and hence the axial resolution of OCT is defined as 2. This shape is called the PSF of the microscope imaging system. Microscopes may also prove useful for the water quality assessment for people that keep a home aquarium.

Holography, 1948

Proc Natl Acad Sci USA 2012; 109: 16018—16022. Noise suppression can also be obtained from the multiple shifted images. At that time his colleagues and had invented the scanning tunnelling microscope, which brought atomic-size features into view and stole much of the limelight from optical microscopy.

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