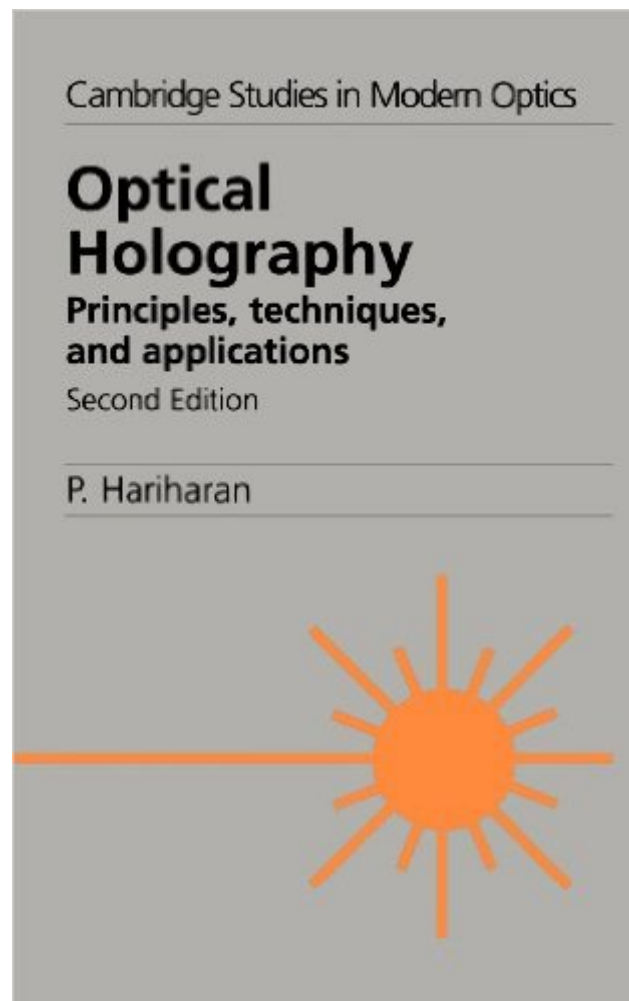# Optical Holography: Principles, Techniques And Applications (Cambridge Studies In Modern Optics)

Synopsis

This is a new and greatly expanded edition of what has become one of the best known introductions to the principles, techniques and applications of optical holography. Where necessary, existing sections have been updated to cover several new techniques and applications and two new chapters have been added. After presenting the theory of holographic imaging and the various types of holograms, the author covers practical aspects of holography, as well as the production of holograms for display, color holography, and computer generated holograms. He then discusses a variety of applications of holography in detail, such as high resolution imaging, information storage and processing, vibration analysis, and holographic interferometry. Containing more than 1000 selected references, this book will be invaluable to anyone wishing to learn more about optical holography, as well as to established researchers and engineers in this field.

Book Information

Series: Cambridge Studies in Modern Optics (Book 20)

Hardcover: 426 pages

Publisher: Cambridge University Press; 2 edition (July 13, 1996)

Language: English

ISBN-10: 0521433487

ISBN-13: 978-0521433488

Product Dimensions: 6 x 0.9 x 9 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 starsÂ Â See all reviewsÂ (1 customer review)

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This book is a great overview of all the different methods of using and making holograms. It has extensive references. It assumes the reader has a mathamatical background. I refer to it more than any other holography book in my library.

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