

I.I. Fourier Curves
A.W. Lohmann

Series Contents

<i>Series Foreword</i>	vii
<i>Preface</i>	ix
<i>Contributors</i>	xi
1. Atomic Optics	
S.M. Tan and D.F. Walls	1
2. Single Atoms in Cavities and Traps	
H. Walther	13
3. Meet a Squeezed State and Interfere in Phase Space	
D. Krähmer, E. Mayr, K. Vogel and W.P. Schleich	37
4. Can Light Be Localized?	
A. Lagendijk	51
5. Time-resolved Laser-induced Breakdown Spectrometry	
G. Lupkovics, B. Németh and L. Kozma	69
6. Fractal Optics	
J. Uozumi and T. Asakura	83
7. On the Spatial Parametric Characterization of General Light Beams	
R. Martínez-Herrero and P.M. Mejías	95
8. To See the Unseen: Vision in Scattering Media	
E.P. Zege and I.L. Katsev	107
9. Backscattering Through Turbulence	
A.S. Gurvich and A.N. Bogaturov	123
10. Why is the Fresnel Transform So Little Known?	
F. Gori	139

11. Fourier Curios	
A.W. Lohmann	149
12. The Future of Optical Correlators	
D. Casasent	163
13. Spectral Hole Burning and Optical Information Processing	
K.K. Rebane	177
14. Holographic Storage Revisited	
G.T. Sincerbox	195
15. Colour Information in Optical Pattern Recognition	
M.J. Yzuel and J. Campos	209
16. The Optics of Confocal Microscopy	
C.J.R. Sheppard	225
17. Diffraction Unlimited Optics	
A. Lewis	233
18. Super-resolution in Microscopy	
V.P. Tychinsky and C.H.F. Velzel	255
19. Fringe Analysis: Anything New?	
M. Kujawinska	269
20. Diagnosing the Aberrations of the Hubble Space Telescope	
J.R. Fienup	279
21. Laser Beacon Adaptive Optics: Boom or Bust?	
R.Q. Fugate	289
<i>Index</i>	305