

# Pinpoint Your Future With CAMBRIDGE BOOKS

## **Optical Methods of Engineering Analysis**

**Gary L. Cloud**

Efficiently integrates optics theory with the development of optical methods. Techniques discussed include classical interferometry, photoelasticity, geometric moire, and others.

1995 516 pp.  
45087-X Hardback \$79.95

## **Design Issues in Optical Processing**

*Edited by John N. Lee*

Provides a detailed review of the key issues that must be addressed in the design, evaluation, and implementation of practical systems for signal processing.

*Cambridge Studies in Modern Optics 16*

1995 c.265 pp.  
43048-8 Hardback \$59.95

## **Optical Physics**

Third Edition

**S.G. Lipson, H. Lipson, and D.S. Tannhauser**

*"...an up-to-date survey of modern optics...it will be an excellent choice of text for...a course in optics."*

—Applied Optics

1995 c.464 pp.  
43047-X Hardback \$84.95  
43631-1 Paperback \$34.95

## **Optical Effects of Ion Implantation**

**P.D. Townsend, P.J. Chandler, and L. Zhang**

Gives a detailed description of the factors and processes that govern the optical properties of ion implanted materials, as well as an overview of the variety of possible devices.

*Cambridge Studies in Modern Optics 13*

1994 294 pp.  
39430-9 Hardback \$54.95

## **Signal Coding and Processing**

Second Edition

**Graham Wade**

Uniquely combines an introduction to signal coding and processing and provides an uncluttered theoretical treatment of optical coding and processing algorithms.

1994 455 pp.  
41230-7 Hardback \$79.95  
42336-8 Paperback \$39.95

*Now in paperback...*

## **Quantum Measurement**

**V.B. Braginsky, F. Ya. Khalili**

*Edited by Kip S. Thorne*

*"...applies all the tools of classical and quantum measurement to the measurement of small forces...the ideas [are] all subtle, fundamental and useful..."*

—Donald Scarf, *Physics Today*

1992 205 pp.  
48413-8 Paperback \$24.95

## **Photodissociation Dynamics**

Spectroscopy and Fragmentation of Small Polyatomic Molecules

**Reinhard Schinke**

*"...an excellent book covering all the major topics of...photodissociation dynamics in a lucid and well-balanced manner."*

—Hanna Reisler and Marsha I. Lester,  
*Journal of the American Chemical Society*

*Cambridge Monographs on Atomic, Molecular, and Chemical Physics 1*

1993 432 pp.  
48414-6 Paperback \$39.95

*Available in bookstores or from*

# CAMBRIDGE UNIVERSITY PRESS

40 West 20th Street, New York, NY 10011-4211.

Call toll-free 800-872-7423. MasterCard/VISA accepted. Prices subject to change.

## Information for Contributors

1. Manuscripts must be written in English. All manuscripts will be referred to acknowledged experts in the subject. Only those receiving favorable recommendations from the referees will be accepted for publication. Manuscripts may be sent to any Board member, any Associate Editor or the Editor.
2. Manuscripts should be double spaced, on one side of good grade paper, allowing a reasonable left-hand margin. An original and two copies should be submitted with the author's full postal address, phone and/or fax numbers, position, and affiliations. Authors are urged to send in their final manuscripts on disks as well as on hard copy.
3. The title and section headings should highlight the significant points. A short abstract should precede the main text.
4. One copy of photographs, prints or transparencies of good quality and unmarked should be submitted. Where lines or lettering are to appear on the photograph, an additional print should be supplied appropriately marked. Each should have, lightly written on the back, the author's name, the figure number and an indication of which is the top of the picture.
5. One copy of each line diagram should be submitted at approximately twice final size and unlettered. Diagrams must be drawn in indian ink on plain white or transparent paper. A second copy should be supplied with lettering included. The author's name and the figure number should be written on this copy.
6. Tables should be typewritten on separate sheets. Avoid, where possible, very wide tables.
7. References and footnotes should be cited according to the Harvard (Author/date) system, also known as the "British form". In the text, author and year are cited in parentheses e.g. "... was found by McCarthy (1980, 1980a)..." or "(Emmett *et al.* 1972)". Full references are listed in alphabetic order at the end of the paper. References are not numbered. An example of a reference list is:  
  
DEUTSCH, C. & KLARFELD, S. 1973 *Phys. Rev. A* 7, 2081.  
NICHOLSON, D.R. 1983 *Plasma Theory* (John Wiley, New York).  
OOMURA, H. *et al.* 1982a *Res. Rep. ILE, ILE-8207p*.  
OOMURA, H. *et al.* 1982b *Trans. Ans.* 43, 617.  
  
Note that the year of publication appears after the author's name. If possible, all authors names should be listed in preference to "*et al.*" If one author or team is referred to more than once in any year, the letters a, b, etc., should be added after the year to distinguish the individual references.
8. Correction to proofs should be restricted to printers' errors only. Authors are entitled to 25 offprints of their article free of charge. Additional offprints may be purchased if they are ordered on the form sent with the proofs.

Cambridge University Press  
40 West 20th Street, New York, NY 10011, USA  
The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU  
10 Stamford Road, Oakleigh, Melbourne 3166, Australia

*Special Issue*

# LASER AND PARTICLE BEAMS

Pulse Power and High Energy Densities

Volume 13, Number 2, 1995

6th International Workshop

on

Atomic Physics for Ion-Driven Fusion

November 7–12, 1993

Santa Fe, New Mexico, USA

**Guest Editor**

**Tom A. Mehlhorn**

**CAMBRIDGE**  
UNIVERSITY PRESS



0263-0346(199505)13:2;1-7