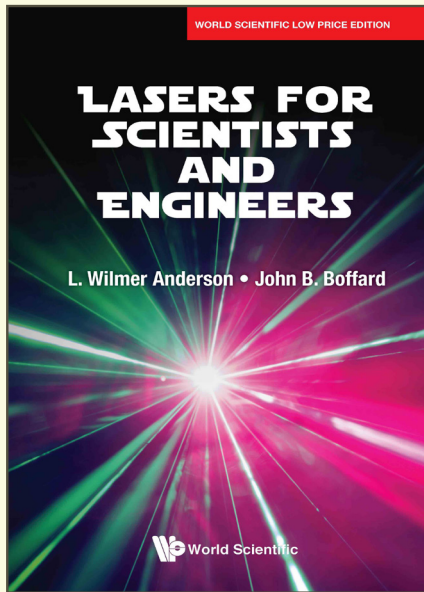


Lasers for Scientists and Engineers



By **L. Wilmer Anderson**
(University of Wisconsin-Madison, USA)
John B. Boffard
(University of Wisconsin-Madison, USA)

ISBN	9781944660963
Extent	412pp
Binding	Paperback
Year	2024
Price	Rs. 1395

ABOUT THE BOOK

Since the invention of the laser, the variety of lasers and their uses have grown at a phenomenal rate. Scientists and engineers have at their disposal an enormous array of sophisticated laser equipments with the possibility of carrying out experiments that were inconceivable only a few decades ago. *Lasers for Scientists and Engineers* is a grand and glorious book that discusses the principles of laser operation and the details of how selected lasers operate.

This book is short and easy to read, enabling the reader to thoroughly grasp the subject, with discussions that begin at an elementary level and lead to a complete understanding of lasers. This book is suitable for a one semester college course for upper-level undergraduate or first year graduate level students in physics, chemistry, biology, astronomy, and the various fields of engineering. The background needed for this book would be junior level courses in optics and modern physics including elementary quantum mechanics.

READERSHIP

Advanced undergraduates and graduate students in physics and electrical engineering, practicing engineers, and non-experts interested in all-optical network technologies.

CONTENTS

- An Introduction to Lasers
- Stimulated Emission
- The Criterion for Laser Action
- Line Shapes
- Saturation
- Laser Photon Densities
- Laser Optical Cavities

- Diode Lasers
- Solid State Impurity Ion Lasers
- The Helium-Neon Laser
- Gas Lasers
- Tunable Lasers
- Nonlinear Optics
- Topics in Quantum Optics

For orders and enquiries, please contact us:



FEELBOOKS PVT. LTD.

www.feelbooks.in

DELHI	4381/4 Ansari Road, Daryaganj, New Delhi 110002 Pushpendra Kumar	Mobile: +91 9015043442	Tel: +91-11-47472630 Email: orders@feelbooks.in
BENGALURU	C-22, Brigade MM, KR Road, Jayanagar 7th Block, Bengaluru 560070 Shekar Reddy	Mobile: +91 9945234476	Tel: +91-80-26762129 Email: bangalore@feelbooks.in
MUMBAI	Alok Dube	Mobile: +91 9833435804	Email: adube@feelbooks.in
CHENNAI	G Srinivasan	Mobile: +91 9003047502	Email: gsrinivasan@feelbooks.in
KOLKATA	Dhrubajyoti Bhattacharjee	Mobile: +91 9836160013	Email: dbhattacharjee@feelbooks.in
HYDERABAD	Kundan Kumar.S	Mobile: +91 8106726072	Email: kundan@feelbooks.in

For any queries, please email us at marketing@feelbooks.in