



INTRODUCTION TO OPTICAL ELECTRONICS (HRW Series in Electrical Engineering, Electronics & Systems)

By Yariv, Amnon

Holt, Rinehart and Winston, New York, NY, 1971. Half-Leather. Book Condition: NEW. First Edition. BRAND NEW COPY w/trace wear to corner tips of green linen boards. Textbook. A study of coherent optics in science and technology without use of quantum mechanics. Presumed mathematical level at 4th students of electrical engineering or applied physics, and some knowledge of atomic physics and electromagnetic theory. 13 chapters: 1, Electromagnetic Theory; 2, The Propagation of Rays & Spherical Waves; 3, Propagation of Gaussian Beams; 4, Optical Resonators; 5, Interaction of Radiation & Atomic Systems; 6, Theory of Laser Oscillation; 7, Some Specific Laser Systems; 8, Second-Harmonic Generation & Parametric Oscillation; 9, The Modulation of Optical Radiation; 10, Noise in Optical Detection & Generation; 11, The Detection of Optical Radiation; 12, Interaction of Light & Sound; and 13, Two Laser Applications. 342 (+ x) pages, with tables, figures, Appendix, and Index.



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