Schlessinger

Infrared Technology Fundamentals

This work provides a basic understanding of the physical background and engineering considerations required for the design of IR systems, examining all components and combining them into examples of current surveillance systems. This second edition presents: new coverage of state-of-the-art optical systems, including lightweight mirrors and adaptive optics; planar-hybrid and Z-technology focal planes; the design of a ground-based IR astronomical telescope and the performance equations of laser-radar systems; and more.

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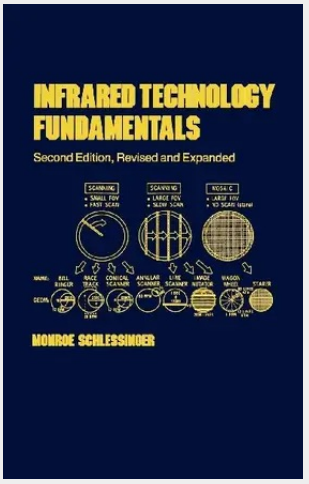

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