



Lasers and Optical Fibre Communications

By P. Sarah

I.K. International Publishing House Pvt. Ltd., 2008. Paperback. Book Condition: New. 16cm x 24cm. Lasers and Optical Fibre Communications is a self-contained book on lasers and fibre optics for physicists and engineering students at the introductory level. It presents the latest developments in laser technology in a concise and lucid manner. The first few chapters deal with the concepts such as lasers and their origin, theoretical concepts of laser technology and their applications to various spheres. This is followed up with an exhaustive study of the various laser schemes and different laser types. A separate chapter is devoted to the applications of laser technology in spheres such as science, technology, medicine and defence. Optical fibres are equally elegantly dealt with. In particular, Ray and Mode Theory, transmission characteristics, dispersion properties of optical wave guides, and the nature of detectors deserve special mention for the excellent treatment in the book. The gamut of communication systems including the nuances of laser propagation is also presented. The most important feature of the book is the seamless blending of theory with practice to bring out how the components of fibre systems are put together to achieve techno economic solution. The book concludes with a short note...



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