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Sommario/riassunto

This invaluable book provides a comprehensive treatment of the design and applications of the semiconductor optical amplifier (SOA). SOAs are important components for optical communication systems with applications as in-line amplifiers and as functional devices in evolving optical networks. The functional applications of SOAs were first studied in the early 1990's; since then, the diversity and scope of such applications have been steadily growing. Semiconductor Optical Amplifiers is self-contained and unified in presentation. The treatments in the book are detailed enough to capture