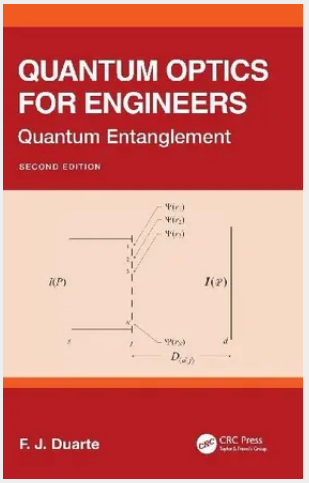
Duarte

Quantum Optics for Engineers

Quantum Entanglement

The second edition of Quantum Optics for Engineers: Quantum Entanglement is an updated and extended version of its first edition. New features include a transparent interferometric derivation of the physics for quantum entanglement devoid of mysteries and paradoxes. It also provides a utilitarian matrix version of quantum entanglement apt for engineering applications. Features: - Introduces quantum entanglement via the Dirac–Feynman interferometric principle, free of paradoxes. - Provides a practical matrix version of quantum entanglement which is highly utilitarian and useful for engineers. - Focuses on the physics relevant to quantum entanglement and is coherently and consistently presented via Dirac's notation. - Illustrates the interferometric quantum origin of fundamental optical principles such as diffraction, refraction, and reflection. - Emphasizes mathematical transparency and extends on a pragmatic interpretation of quantum mechanics. This book is written for advanced physics and engineering students, practicing engineers, and scientists seeking a workable-practical introduction to quantum optics and quantum entanglement.

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