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Quantum Optics 6: Atomic energy spectrum, two-level approximation, Bloch space, and free evolution.

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363 6.5 .2 First-order differential



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equations for the propagation of the  
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Introduction. Coherence was originally conceived in connection with Thomas

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Young's double-slit experiment in optics but is now used in any field that involves waves, such as acoustics, electrical engineering, neuroscience, and quantum mechanics. Coherence describes the statistical similarity of a field (electromagnetic field, quantum wave packet etc.) at two points in

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In quantum optics, the term coherence is often used for the state of light-emitting atoms or ions. In that case, coherence refers to a phase relationship between the complex

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The Quantum Theory of Optical  
Coherence

The other aspects of the book fill a gap which is unfortunately missing in the quantum optics literature, or at least difficult to find in one place. The field



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Quantum optics (QO) is a field of  
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Roy Jay Glauber (September 1, 1925 –  
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Quantum optics and classical optics are linked in ways that are becoming

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apparent as a result of numerous recent detailed examinations of the relationships that elementary notions of optics have with each other. These elementary notions include interference, polarization, coherence, complementarity and entanglement.

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