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This textbook addresses imaging from the system engineering point of view, examining

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advantages and disadvantages of imaging in various spectral regions. Focuses on imaging principles and system concepts, rather than devices. Intended as a senior-year undergraduate or graduate level engineering

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processes of
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generation, sum-
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ference-
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generation, and*

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modulation,
Raman
scattering,
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scattering, and
soliton formation.
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connecting
theory, process,
effects, and*

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properties of
optical fields,
to develop
methods for
deter mining the
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the
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events that are
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intercepted by photodetectors, and to examine methods of estimating unknown field parameters from measurements of the photoelectron events. Emphasis is placed on the photoelectron measurements

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