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fields, which led to the discovery of electromagnetic waves, and that light is electromagnetic in nature, with a constant velocity in vacuum, c , where μ_0 and ϵ_0 are the permeability and permittivity of vacuum or air.

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Carl T. A. Johnk is the author of Engineering Electromagnetic Fields And

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antennas and

electromagnetic fields
is obviously important
in RF engineering, in
which capturing and

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propagating waves are primary objectives. An understanding of RF fields is also important for dealing with the electromagnetic-compatibility (EMC) aspects of every electronic product, including digital systems.

Understanding

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electromagnetic fields
and antenna radiation

...
In physics,
electromagnetic
radiation (EM
radiation or EMR)
refers to the waves
(or their quanta,
photons) of the
electromagnetic field,
propagating
(radiating) through
space, carrying

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electromagnetic
radiant energy. It
includes radio waves,
microwaves, infrared,
(visible) light,
ultraviolet, X-rays,
and gamma rays..
Classically,
electromagnetic
radiation consists of
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waves ...

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