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principles of operation of major photonic components in optical communications and electronics. These components include optical resonators, various lasers, waveguides, optical fibers, gratings, and photonic crystals.

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phonic applications are in the range of visible and near-infrared light. The term photonics developed as an outgrowth of the first practical semiconductor light emitters invented in the early 1960s and optical fibers developed in th

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technology was defined by the growth of electronics, the 21st century belongs to photonics. LEDs will light households powered by photovoltaic panels and filled with displays and cameras communicating by optical fiber to distant owners wearing virtual reality glasses.

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The text describes the basic physics and principles of operation of major photonic components in optical communications and electronics. These components include optical resonators, various lasers, waveguides, optical fibers, gratings, and photonic crystals. photonics, Sixth Edition, also coversthe

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modulation,  
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nonlinear optical  
effects in fibers.

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Due to its central role  
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