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WAVELENGTH CONVERSION USING NONLINEAR EFFECTS IN OPTICAL FIBERS



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Wavelength Conversion
using Nonlinear Effects in
Optical Fibers
Application of Nonlinear Fiber Optics



Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Application of Nonlinear Fiber Optics | Wavelength conversion has been acknowledged as one of the most significant optical processing functions. Ultra-high data rate all-optical wavelength conversion is an enabling technology for providing wavelength flexibility, increasing the capacity of photonics networks and enhancing optimized all-optical routing and switching. Several all-optical wavelength conversion approaches have been studied and investigated, which are based on nonlinearities in optical fibers. Nonlinear effects mainly applied in fiber-based wavelength...

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