Abstract

In optical communication system to compensate dispersion Fiber Bragg grating (FBG) is one among the applicable and vital parts. Here we tend to are calculative best quantity of parameters by simulating the model so observe the result of this element in information receiver. To tackle the non-linear effects of transmission Fiber Bragg grating has been utilized with optisystem software system very length. The analysis supported the chromatic dispersion. During this analysis style system with fiber Bragg grating and while not fiber Bragg grating and really the length. The role of the communication is to transport the optical signal from transmitter to receiver while not distorting it. Most light wave communication systems use optical fibers because the communication because fibers will transmit light-weight with a relatively bit of power loss. Fiber loss is, of course, a vital style issue, because it determines directly the repeater spacing of a long-haul light wave system. Another vital style issue is fiber dispersion that results in broadening of individual pulses within the fiber.
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Index Terms

Computer Science

Information Sciences
Keywords

Chirped fibre Bragg grating, dispersion compensation, L-band, conventional single mode fibre