

## عنوان مقاله:

Simulation of optical fiber cable regarding bandwidth limitations

## محل انتشار:

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## خلاصه مقاله:

The optical fiber stands for an exceptionally appealing correspondence medium since it offers an enormous data transmission and low lessening, also, can in this manner encourage requesting administrations like excellent visual communication as well alternatives in PC organizations. In this study, a good strategy simulation based on mathematical equations has been presented for a unique optical channel correspondence. Also, this paper shows the nonlinear analysis phenomenon of fiber scattering, modulator as well recipient reaction periods, coding type of waveform. The light source spectral width have influence to the presentation of the fiber optics correspondence like link length, information rate, BER. Additionally, this paper show the force and rising period, spending plan is utilized to get a good guess of the communication length as well the piece rate utilizing optical framework test scheme

## کلمات کلیدی:

nonlinear analysis, Optical Networks, Fiber Optical telecommunication, Power Budget, Rise Time Budget, Fiber Dispersion

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1561466>

