The propagation characteristics of optical fiber play a very important role in the design of a fiber optic communication system. In this paper, we have analyzed the Propagation Characteristics of Bragg fiber using transfer matrix method and have also found the modal filed distribution of the fundamental mode of Bragg fiber. We have worked on the MATLAB and used its optical waveguide tool box for generation our results.

References


Index Terms

Computer Science  Signal Processing

Keywords

Waveguide; Optical fibers; Bragg fibers; Transfer electromagnetic waves; Transfer magnetic waves.