Abstract

In this paper optimized gain of TDFA is achieved w. r. t. variation of length of TDF. Mathematical model using improved rate equations of TDFA has been implemented using MathCAD in this paper. An optimized gain of 27dB (without ASE) for 1460-1495nm wavelength range has been achieved when length of TDF is 7 m.
Index Terms

Computer Science  Quantum  Electronics

Keywords
Enhancing the Gain of TDFA with Optimizing Length of TDF in DWDM System

Dwdm Mathcad Tdf Tdfa