ARTICLE

NUMERICAL SIMULATION OF SUPER CONTINUUM GENERATION IN TAPERED OPTICAL FIBERS

KAMAL HUSSAIN[*]

Fibers with high nonlinearity are suitable for broadband super continuum generation. Photonic crystal fiber, highly nonlinear fiber and tapered optical fiber are thus well suited for super continuum generation as they exhibit anomalous dispersion and nonlinearity. For numerical simulation we need to consider higher order dispersion and nonlinear terms in the equation for pulse evolution in a single mode fiber. These values have been obtained from recent publications. Using this simulation we show the broadband super continuum generation in tapered optical fiber.