

عنوان مقاله:

Performance of Ytterbium-Doped Fiber Amplifiers

محل انتشار:

کنفرانس بین المللی تحقیقات بنیادین در مهندسی برق (سال: 1396)

تعداد صفحات اصل مقاله: 8

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خلاصه مقاله:

The ytterbium-doped fiber amplifier (YDFA) includes a number of attractive features, such as high efficiency and a broad-gain bandwidth. The gain spectra for the different pump wavelength, output power versus input signal power for different pump schemes, are emphasized in this paper. In this paper, a system layout for the ytterbium-doped fiber amplifier and a system layout for the ytterbium-doped double-clad fiber amplifier are simulated by OptiSystem software. The gain spectra for the different pump wavelength, output power versus input signal power for different pump schemes are comprehensively analyzed. YDF components are also discussed.

کلمات کلیدی:

ytterbium, fiber amplifier, YDF component, double-clad

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