

عنوان مقاله:

Electrode Lengths Optimization for Two-Electrode Quantum-Dot Semiconductor Optical Amplifiers

محل انتشار:

بیستمین کنفرانس مهندسی برق ایران (سال: 1391)

تعداد صفحات اصل مقاله: 5

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خلاصه مقاله:

In this paper, two-electrode structure for quantumdot semiconductor optical amplifiers (QD-SOAs) is studied, in order to find the optimized lengths for electrodes which in those lengths, the optical gain of the device reaches its maximum. To this end, the rate equation model has been employed and solved through finite difference method and MATLAB ODE

کلمات کلیدی:

Quantum-dot semiconductor optical amplifier (QD-SOA), Two-electrode, Rate equations

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