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ANALYSIS OF FOUR WAVE MIXING IN SEMICONDUCTOR OPTICAL AMPLIFIER



Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | A theoretical model for analyzing the combined effects of amplified spontaneous emission (ASE) and intraband process on the propagation of pulses through SOA is presented. An analysis for the differential equations and the related parameters that describe the self phase modulation SPM in SOA is presented. Moreover, the effects of these variations on the pulse shape and spectrum is explained. A method for driving the coupled propagation equations of the FWM process...

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