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A quarterly of the Institute of Physics, Wroclaw University of Technology



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Optica Applicata 2004(Vol.34), No.3, pp. 365-372

## All optical method to achieve gain-clamping in broadband distributed fiber Raman amplifiers

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## Keywords

fiber Raman amplifier, fiber Bragg grating, gain clamping, power transient

## Abstract

In this paper, we proposed that using a pair of fiber gratings in a section of the transmission fiber, a gain clamped broadband distributed fiber Raman amplifiers (DRA) can easily be made based on the utilization of the pumps' interactions and uneven gain property along the fiber in the amplifier.



Back to list

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