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Author

Bezotosnyi VV. Gorbunkov MV. Kostyukov PV. Krivonos MS. Popov YM. Tunkin VG. Cheshev EA.

Title

Two-Frequency Lasing in the Nd:YLF Laser with a Lens-Shaped Active Element and Longitudinal Diode Pumping

Source

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Abstract

In the laser with lens-shaped Nd:YLF [100] active element, the dependence of polarization and frequency of the radiation on the cavity length is studied under conditions of longitudinal diode pumping. The conditions at which birefringence in the Nd:YLF active element allows two-frequency lasing are determined.