

PUMPING WAVELENGTH DEPENDENCE OF RAMAN LASING THRESHOLD IN HIGHLY Ge-DOPED SILICA FIBER

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Abstract

Calculation results on quantitative effects of fiber losses variation at pumping wavelength changing are presented. The spline data approximation was used for smoothing of experimental measurement noise and for data digitizing with an arbitrary predetermined step on wavelength increment. Proposed method may be applied for FRL computer design in all transparency windows.

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