

## **Numerical Study on Thermally Induced Birefringence in Yb:YAG Laser Rod: Power Output Optimisation**

A traditional approach to study the birefringence induced under laser pumping is presented. Numerical study of thermally induced birefringence was performed based on material properties of Yb:YAG rod laser crystal in crystallographic orientation [001]. New method introduced here is devoted to optimisation of relative output intensity from the system containing a laser rod placed between two general polarizers.

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