

Iterative 3D modeling of thermal effects in end-pumped continuous-wave Ho³⁺:YAG lasers

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In this work we present a highly accurate model for simulating laser resonators based on a beam propagation method algorithm including thermal effects in the laser. An experimental Ho³⁺:YAG resonator setup is used to validate the model, which shows excellent agreement in output power, resulting M2 and output field distribution.

code

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