

# Experimental and numerical study of a 1.94- $\mu\text{m}$ monolithic single-oscillator thulium-doped fiber laser in continuous-wave regime

*Thursday, 1 September 2022 12:00 (2 hours)*

A continuous-wave all-fibered single-oscillator thulium-doped fiber laser is developed. Taking advantage of a high absorption at 793 nm (8.42 dB/m), the source exhibits 260 W of maximum output power at 1.94  $\mu\text{m}$  and a slope efficiency of 59 %. Rate equations are applied to numerically study the cavity.

## code

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