24th Australian Institute of Physics Congress



Contribution ID: 536 Type: Talk (preferred)

Reverse-wave suppression in ring-resonator lasers

Tuesday 13 December 2022 16:30 (15 minutes)

Ring resonators are used to produce injection-seeded, transform-limited pulsed lasers for remote sensing applications. Injection-seeding generally forces uni-directional operation. Our pulsed laser showed both directions were equally seeded. We developed a model that shows <0.1% forward-to-reverse-wave coupling can cause this.

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Session Classification: Australian and New Zealand Conference on Optics and Photonics

Track Classification: ANZCOP: ANZCOP: Lasers