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| **Title:** | Demonstration of photon-photon resonance peak enhancement by waveguide design modification on active multimode interferometer laser diode | | |
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| **Abstract:** |  |
| Photon-photon resonance (PPR) peak enhancement on active multimode interferometer laser diode is demonstrated. 3.8 GHz enhancement of PPR peak that results in 3 dB-down frequency response of 17 GHz has been successfully achieved by waveguide geometry modification | |