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Author: Omid Jafari Mahmood Akbari

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Optimization and Simulation of Micrometre-Scale Ring Resonator Modulators Based on p-i-n Diodes Using Firefly Algorithm

Omid Jafari,^a Mahmood Akbari,^a

^a Department of Electrical Engineering, Sharif University of Technology, Tehran, Iran.

Address all correspondence to: O. Jafari, M. Akbari, Department of Electrical Engineering, Sharif University of Technology, Tehran, Iran (phone: +98-21-6616-5926; fax: +98-21-66023261, E-mail: makbari@sharif.edu)

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