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Several non-idealities such as cycle-to-cycle (temporal) and device-to-device (spatial) variabilities negatively affect the performances of memristor-based neuromorphic architectures. 64 64. J. J. Yang, D. B. Strukov, and D. R. Stewart, " Memristive devices for computing, " Nat. Nanotechnol. 8, 13 (2013).

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