

Abstracts

Modeling of Nonlinear Active Regions with the FDTD Method

B. Toland, B. Houshmand and T. Itoh. "Modeling of Nonlinear Active Regions with the FDTD Method." 1993 Microwave and Guided Wave Letters 3.9 (Sep. 1993 [MGWL]): 333-335.

The FDTD method is extended to include nonlinear active regions embedded in distributed circuits. The procedures necessary to produce a stable algorithm are described, and a single device cavity oscillator is simulated with this method.

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