

Abstracts

Concurrent complementary operators for mesh truncation in frequency-domain simulations

O.M. Ramahi. "Concurrent complementary operators for mesh truncation in frequency-domain simulations." 2002 *Microwave and Wireless Components Letters* 12.3 (Mar. 2002 [MWCL]): 99-101.

The concurrent complementary operators method (C-COM), when used in the finite-difference time-domain method (FDTD), achieved levels of accuracy unprecedented in any previous mesh-truncation technique. In this paper, we introduce the extension of the C-COM theory to frequency-domain (time-harmonic) simulations. A validation of the new method is demonstrated by using the finite-difference frequency domain (FDFD) method.

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