

Abstracts

Accurate and Detailed FDTD Solution of Microwave Integrated Circuits Using the Frequency Shifting Technique

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By employing the elementary property (i.e., the frequency shifting technique) of the Fourier transform, a simple and efficient spectral estimation technique is developed. With this technique, extremely accurate and detailed frequency domain scattering parameters of general microwave integrated circuits can be obtained, without increasing any additional computation and programming efforts in the original FDTD simulation.

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