

Abstracts

A statistical algorithm for 3D capacitance extraction

A. Brambilla and P. Maffezzoni. "A statistical algorithm for 3D capacitance extraction." 2000 Microwave and Guided Wave Letters 10.8 (Aug. 2000 [MGWL]): 304-306.

This letter deals with the problem of parasitic capacitance extraction in deep submicron layouts having general geometries. The presented extraction method is based on the statistical floating random walk algorithm. It employs a suitable spherical Green's function that, in a charge free region, relates the electrical field in the sphere center to the surface electrical potential.

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