

Abstracts

The Compensation of Coarseness Error in 2D TLM Modeling of Microwave Structures

U. Mueller, P.P.M. So and W.J.R. Hoefer. "The Compensation of Coarseness Error in 2D TLM Modeling of Microwave Structures." 1992 MTT-S International Microwave Symposium Digest 92.1 (1992 Vol. 1 [MWSYM]): 373-376.

In this paper the origin of the coarseness error in two-dimensional TLM meshes is investigated, and a method for compensating the coarseness effect without increasing the computational expenditure is presented. The efficiency and accuracy of this method is demonstrated by comparison with analytically exact solutions.

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