Abstracts

Triangular Cells in an Electromagnetic Analysis of Arbitrary Microstrip Circuits

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This paper describes an enhancement to an existing electromagnetic analysis of arbitrary microstrip circuits which allows the inclusion of triangular, as well as rectangular, cells. A relatively simple solution for this, potentially, extremely complicated problem is provided. It is also shown that triangular cells are required for accurate analysis of microstrip geometries involving diagonal edges. In addition, a simple means of applying the two-dimensional discrete Fourier transform, realizing a faster analysis, is described.

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