Abstracts

Analysis of Arbitrarily Oriented Microstrip Lines Utilizing a Quasi-Dynamic Approach

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In this paper a "quasi-dynamic" approach is presented for the analysis of arbitrarily oriented printed microstrip circuits. The metallic structures are assumed to be planar metals of zero thickness. The quasi-dynamic approach differs from the quasi-static solution in the sense that phase variation is included in the quasi-dynamic analysis. The region of validity of the quasi-dynamic approach is investigated. Finally, numerical results are presented to illustrate the use of this technique.

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