Abstracts

Proximity Coupled Microstrip Elements and Interconnects of Arbitrary Shape in Multilayered Media

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The performance of microstrip elements of arbitrary shape as resonators, directional couplers, antennas and multilevel interconnects is examined in this paper. The mixed potential integral equation (MPIE) method is employed with triangular patch functions to model microstrip elements of arbitrary shape. The model is equally applicable to microstrip circuit and/or microstrip antenna design. The paper includes thorough investigation of the excitation mechanism. This presentation will focus on proximity coupled microstrip elements and multilevel interconnects.

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