Abstracts

Analysis of Some Planar Structures by the Least-Squares Boundary Residual Method (Short Papers)

A new approach is proposed to analyze a large class of planar transmission lines such as shielded edge or broadside-coupled striplines and microslots with or without a ground plane. Calculations are carried out, in quasi-TEM and hybrid modes, by the application of a new variant of the least-squares boundary residual method (LSBRM), which is the basis change that allows one not only to improve the precision but also to reduce the computer memory occupation so that smaller computers can be used.

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