Abstracts

Analysis of Complex Passive (M)MIC-Components Using the Finite Difference Time-Domain Approach

M. Rittweger and I. Wolff. "Analysis of Complex Passive (M)MIC-Components Using the Finite Difference Time-Domain Approach." 1990 MTT-S International Microwave Symposium Digest 90.3 (1990 Vol. III [MWSYM]): 1147-1150.

The analysis of a number of complicated microstrip components containing coupled discontinuities and line structures using the finite difference time-domain (FDTD) method is presented. The time-domain data are plotted and the frequency-domain response in form of S-parameters is compared with accurate measurements. Advantages and disadvantages of the applied technique are discussed and modifications of the available algorithms for increased efficiency and stability of the solutions are described.

❑ Return to main document.