Abstracts

Reducing Solution Time in Monochromatic FDTD Waveguide Simulations (Short Papers)

Rectangular waveguide is modelled using the Finite-Difference Time-Domain Method. It is shown that when using a monochromatic excitation that the steady state solution can take an undue amount of time to achieve. A simple technique is presented which minimises the duration of the resulting transient time enabling the steady state to be reached in a much shorter amount of time.

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