Abstracts

Computation of EM Effects on Large Biological Bodies by an Iterative Moment Method

J.J.H. Wang and J.R. Dubberley. "Computation of EM Effects on Large Biological Bodies by an Iterative Moment Method." 1989 MTT-S International Microwave Symposium Digest 89.1 (1989 Vol. I [MWSYM]): 183-186.

A new iterative moment method algorithm using a conjugate gradient method is developed for a three-dimensional arbitrarily-shaped dielectric or biological body. The algorithm has a restart feature which allows the operator to pause at a preset stage and then resume the iteration in a continuous way, thus making the computation of large bodies a controlled and measured process with minimum cost and time for a desired accuracy.

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