

Abstracts

Optimum Port Numbering in the Electromagnetic Simulation of Complex Networks

M. Dionigi, A. Esposito, L. Tarricone and R. Sorrentino. "Optimum Port Numbering in the Electromagnetic Simulation of Complex Networks." 1996 MTT-S International Microwave Symposium Digest 96.1 (1996 Vol. 1 [MWSYM]): 189-192.

A new strategy based on combinatorial optimization of the port numbering in combination with the Mode Matching method has been developed for the fullwave analysis of complex networks. The approach has been implemented on both serial and parallel platforms and is shown to provide excellent efficiency (more than 20 times of speed-up) overcoming the limitations of previous approaches based on graph theory.

[Return to main document.](#)