Abstracts

Using efficient multivariate adaptive sampling by minimizing the number of computational electromagnetic analysis needed to establish accurate interpolation models

R. Lehmensiek and P. Meyer. "Using efficient multivariate adaptive sampling by minimizing the number of computational electromagnetic analysis needed to establish accurate interpolation models." 2001 MTT-S International Microwave Symposium Digest 01.3 (2001 Vol. III [MWSYM]): 1749-1752 vol.3.

An efficient multivariate adaptive sampling algorithm based on rational interpolation, that establishes accurate surrogate models of microwave circuits, is presented. The technique optimally samples the parameter space in order to minimize the number of CEM analyses, without assuming any a priori knowledge of the data. The technique is evaluated on passive microwave structures.

❑ Return to main document.