

# Abstracts

## A Procedure for Calculating Fields Inside Arbitrarily Shaped, Inhomogeneous Dielectric Bodies Using Linear Basis Functions with the Moment Method (Comments and Reply)

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*M.J. Hagmann, C.-T. Tsai, H. Massoudi, C.H. Durney and M.F. Iskander. "A Procedure for Calculating Fields Inside Arbitrarily Shaped, Inhomogeneous Dielectric Bodies Using Linear Basis Functions with the Moment Method (Comments and Reply)." 1987 Transactions on Microwave Theory and Techniques 35.8 (Aug. 1987 [T-MTT]): 785-786.*

The above paper recently described the use of a linear basis with polyhedral cells, which is a significant modification from previous block model solutions which have used a pulse-function basis (PFB) with cubical cells (PFBC). It is reasonable to expect greater accuracy when the same number of cells is used with the new procedure, but some of the comments regarding earlier PFBC models maybe misleading.

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