

Abstracts

A Note on the Mixed Potential Representation of Electric Fields in Layered Media (Short Papers)

M.J. Cloud and D.P. Nyquist. "A Note on the Mixed Potential Representation of Electric Fields in Layered Media (Short Papers)." 1989 Transactions on Microwave Theory and Techniques 37.7 (Jul. 1989 [T-MTT]): 1150-1152.

A mixed potential formulation is given for electric fields in layered environments. Contributions to the field from charges are identified explicitly through a scalar Green's function for layered media. The outcome is a computationally expedient Sommerfeld integral representation.

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