

Abstracts

A Note on the Finite-Element Solution of Exterior-Field Problems (Short Papers)

Z.J. Csendes. "A Note on the Finite-Element Solution of Exterior-Field Problems (Short Papers)." 1976 *Transactions on Microwave Theory and Techniques* 24.7 (Jul. 1976 [T-MTT]): 468-473.

An approximate closed-form expression corresponding to the energy functional in an infinite exterior region satisfying Laplace's equation is derived for use with the finite-element method. This expression simplifies the treatment of exterior-field problems in numerical calculations. The expression is given in terms of a few numerical matrices and logarithmic functions.

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