

Abstracts

A General Reciprocity Theorem

P.R. Mclsaac. "A General Reciprocity Theorem." 1979 Transactions on Microwave Theory and Techniques 27.4 (Apr. 1979 [T-MTT]): 340-342.

A general reciprocity theorem based on the Onsager relations is developed which applies to all casual and linear media, including those whose ac susceptibilities depend on an applied dc magnetic field and on the dc drift velocity of charge carriers. Applications are made to the scattering matrix for microwave junctions and to the mode orthogonality relations for uniform and periodic waveguides.

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