

Abstracts

On the Definition of Parameters in Ferrite-Electromagnetic Wave Interactions (Comments)

E.M.A. Eid. "On the Definition of Parameters in Ferrite-Electromagnetic Wave Interactions (Comments)." 1985 Transactions on Microwave Theory and Techniques 33.2 (Feb. 1985 [T-MTT]): 172-173.

In the above paper, Bolle and Lewin discuss definitions of some parameters characterizing the material in ferrite-electromagnetic wave interactions. According to this discussion, the direction of propagation, and not the direction of magnetization, is recommended as a reference direction. In this letter, it is shown, however, that this is not generally valid. Some examples are used to show instants where the parameters are better referred to the direction of magnetization in order to avoid unnecessary confusion.

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