

Abstracts

Minimum-Phase Behavior of Random Media

H.E. Rowe and D.T. Young. "Minimum-Phase Behavior of Random Media." 1975 Transactions on Microwave Theory and Techniques 23.5 (May 1975 [T-MTT]): 411-416.

We give two different sufficient conditions for the transfer function of two-mode random media to be minimum phase. The second of these results states that the signal transfer function will be minimum phase if the spurious mode is dissipated faster than it is coupled from the signal mode, in a certain sense. Two illustrative examples are given. These two conditions cannot be greatly improved.

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