Abstracts

Microwave Filters of Parallel-Cascade Structure (Comments)

In the above paper, Osipenkov and Vesnin show how a parallel connection of two four-poles (incorrectly termed four-port networks by them) can be used to implement a (microwave) filter. They start from the assertion that the chain matrix [A] of the parallel connection can be calculated from the chain matrices [A'] and [A"] of the single four-poles by means of (2) of [1]. This assertion is equivalent to the statement that the admittance matrix of the parallel connection is the sum of the admittance matrices of the single four-poles.

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