

Abstracts

Direct Synthesis of Cascaded Quadruplet (CQ) Filters (1995 Vol. II [MWSYM])

R. Levy. "Direct Synthesis of Cascaded Quadruplet (CQ) Filters (1995 Vol. II [MWSYM])." 1995 MTT-S International Microwave Symposium Digest 95.2 (1995 Vol. II [MWSYM]): 497-500.

Previous designs for CQ filters have required matrix-rotation operations on the coupling matrix of the canonic form of the cross-coupled filters. This is a rather awkward and not entirely satisfactory process since the theory is not general, requiring the application of equations specific to each order of filter, and in fact has been developed only as far as even order 10. A new direct CQ synthesis has now been discovered having no such limitations.

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