

Abstracts

Computer-Aided Design of Commensurate and Non-Commensurate Networks Using State-Space Techniques

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The state and output equations for networks containing commensurate and non-commensurate delay lines have been derived using topological methods. Computer programs for the analysis and design of these networks have been developed and some of the results are reported. The method is completely general and can be applied to any network topology without any restrictions. Non-commensurate networks offer the possibility of doubling the number of restrictions that can be imposed on the network response. Networks with coupling between the transmission lines can also be solved.

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