



Selective Linear-Phase Switched-Capacitor and Digital Filters

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Book Condition: New. Publisher/Verlag: Springer, Berlin | Modern high-capacity communication systems require filters with simultaneous good amplitude and phase responses. Selective Linear-Phase Switched-Capacitor and Digital Filters is the first coherent treatment of selective linear-phase switched-capacitor filters written by a leading international authority on the subject. Digital realizations of the same characteristics are also treated. In both cases, emphasis is laid on optimal low-sensitivity structures, a highly desirable attribute from the practical view-point. With the increasing interest in high-frequency switched-capacitor filters, the range of operation reaches a point where the phase response becomes a major design consideration, thus heightening the importance of this book. Selective Linear-Phase Switched-Capacitor and Digital Filters is an invaluable reference for electronic circuit design engineers and researchers as well as graduate students, and may be used as a text for an advanced course on the subject. | 1 General Considerations.- 1.1 Introduction.- 1.2 Low-sensitivity Structures.- 1.2.1 Switched-capacitor State-variable Ladder Filters.- 1.2.2 Wave Digital Filters.- 1.3 Cascade Realizations.- 1.4 Phase and Delay Functions.- 1.5 Conclusion.- 2 Analytic Ladder Design.- 2.1 Introduction.- 2.2 Low-pass Filters.- 2.2.1 Maximally-flat Group-delay Response.- 2.2.2 Equidistant Linear-phase Response.- 2.2.3 Flat Delay Response with Amplitude Selectivity.- 2.3 High-pass Filters.- 2.4 Conclusion.- 3 Optimal Low-pass...

Reviews

This type of publication is almost everything and helped me looking forward and much more. I am quite late in start reading this one, but better then never. You wont really feel monotony at whenever you want of your own time (that's what catalogs are for relating to if you ask me).

-- **Prof. Buddy Leuschke**

Merely no phrases to describe. It generally does not price an excessive amount of. Its been designed in an extremely simple way in fact it is simply soon after i finished reading through this pdf through which really altered me, modify the way i really believe.

-- **Natasha Rolfson**