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3.5 Transposed Network3.6 Applications to Terminated Networks; 3.7 Frequency Scaling; 3.8 Types of Filters; 3.9 Magnitude Approximation; 3.9.1 Maximally Flat Magnitude (MFM) Approximation; 3.9.1.1 MFM Filter Transfer Function; 3.9.2 Chebyshev (CHEB) Magnitude Approximation; 3.9.2.1 CHEB Filter Transfer Function; 3.9.3 Elliptic (ELLIP) Magnitude Approximation; 3.9.4 Inverse-Chebyshev (ICHEB) Magnitude Approximation; 3.10 Frequency Transformations; 3.10.1 LP to HP Transformation; 3.10.2 LP to BP Transformation; 3.10.3 LP to BR Transformation; 3.11 Phase Approximation
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5.7.3 A Low-Sensitivity Multi-OA Biquad with Small Spread in Element Values

Sommario/riassunto

Starting from the fundamentals, the present book describes methods of designing analog electronic filters and illustrates these methods by providing numerical and circuit simulation programs. The subject matters comprise many concepts and techniques that are not available in other text books on the market. To name a few - principle of transposition and its application in directly realizing current mode filters from well known voltage mode filters; an insight into the technological aspect of integrated circuit components used to implement an integrated circuit filter; a careful blending of basi