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Lattice Structure for Paraunitary Linear-Phase Filter Babks with Accuracy

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摘要
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Lattice Structure for Paraunitary Linear-Phase Filter Babks with Accuracy

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Abstract Multivariate filter banks with a polyphase matrix built by matrix factorization (lattice structure) were proposed to obtain orthonormal wavelet basis. On the basis of that, we propose a general method of constructing filter banks which ensure second and third accuracy of its corresponding scaling function. In the last part, examples with second and third accuracy are given.

Key words   Paraunitary   Linear-phase   Accuracy

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