Abstract Details

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 - Title: Lifting Scheme: Application in Gravity and Magnetic Data Processing

Abstract:

The lifting scheme can be used to construct second generation wave The second generation wavelets have the same properties with the generation wavelets. And they are more adaptive and can be fast implemented . lifting scheme can build wavelets on an interval, wavelets adapted to arbitrary size signals and irregular samples etc. The general wavelets transform has been widely used in the gravity and magnetic data pro It can be used to do multi-scale analysis, denoise, separate local ano from regional field, detect field sources etc. All this applications can b with the lifting scheme directly. Using lifting scheme different wavelet can be designed to satisfy some property such as orthogonal, vanish moments. Combined with the analysis of field data, proper lifting scheme advantages and it is a promising method in the gravity and magnetic processing.

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