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Multiscale contrast image fusion scheme with performance measures

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Keywords

image fusion, multiscale image analysis, ratio of low-pass pyramid, visual perception, image processing

Abstract

A new method of image fusion from various sensing modalities is proposed. This method adopts a perceptual fusion operator by using a sequence of multiscale contrast pyramid images. The method is tested by merging parallel registered visible and infrared images. Several performance measures clearly indicate that this method outperforms the other three approaches producing better visual effects.



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