

# Wavelet transform of post-segmentation ROI

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## ABSTRACT

Medical image need high image quality. But it is too large to using lossless image compression on total image. The large size make it impractical to transmit the image. The rigion of interest code supports the transmission of the medical image with a high compression rate and good quality, still this method has some defect. The ROI researches use the pre-segmentation approach to coding ROIs. The ROIs are decided and segmented befor encoding. If the decision of ROIs is error, fine feature of image will lose. This paper presents a post-segmentation ROI coding technique to avoid wrong decision.

Keywords : wavelet transformation ; embedded zerotree wavelet ; progressive transmission

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