Abstract

Image fusion is one of the most modern, accurate and useful diagnostic techniques in medical imaging today. The Fusion of Computed Tomography (CT) image and Magnetic Resonance (MR) image forms a new image with improved information content for diagnosis. The fused image can significantly benefit medical diagnosis and also the further image processing in computer aided diagnosis. The maximum frequency fusion rule is used for fusing the
coefficients of ridgelet transform. The simulation results show that the performance of ridgelet transform is better than the wavelet transform in the fusion of CT and MR images from visual quality, Entropy and PSNR points of view.

References

Index Terms

Computer Science   Image Processing

Keywords

Ct  Mr  Wavelet  Ridgelet  Entropy  Psnr.