

# Hybrid image compression technique using oscillation concept & quasi fractal

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### Abstract

In medical images, especially for brain images ROI is very important for diagnosis. ROI is very important compare to other portion of an image. Here ROI is included in hybrid coding algorithm for effective image compression. Compression method gives better results using hybrid algorithm. In this paper, we have used hybrid compression method, Lossless used for ROI portion and for non-ROI portion the lossy compression techniques has been used. The experimental results shows that better Compression Ratio (CR) with acceptable PSNR has been achieved using hybrid technique based on Morphological band pass filter and Adaptive thresholding for ROI.

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