Adaptive Vector Quantization Technique

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Abstract : Literature reported, a new image compression technique for the coding of retinal images . Retinal images are used to detect diseases like diabetes or hypertension . In this work , the counter let transform of the retinal image is taken first . The coefficients of the contour let transform are quantized using adaptive multistage vector quantization scheme . The number of code vectors in the adaptive quantization scheme defends on the dynamic range of the input image . The result of the proposed scheme is compared with wavelet based adaptive multistage vector quantization . The experimental results shows that counter let based adaptive vector quantization scheme gives better reconstruction when compared to wavelet based technique .