Improved Method for Disparity Estimation and Compression of Stereo Images with Varied Angle of Separation

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Abstract

This paper presents different sight point images of entity used to stereo image compression. The images are actual time images, stereo images of five objects taken between 10, 30 and 50 degree angles. The left image is used as reference image first and then right image has been used as the reference image. Images with different angles were intensified and outcomes were evaluated. In this work, compression time, decompression time and disparity results are superior when right image is used as the reference when compared to left image. But the PSNR values have shown a lower value that resulted in lesser quality of images.

References


**Index Terms**

Computer Science  
Signal Processing

**Keywords**

Stereo image compression, Disparity, Block matching algorithm