Abstract

Image fusion is a process of combining two or more images into a single image without any loss of information. Now-a-days, image fusion is playing a major role in current research areas. In this paper, a new data fusion algorithm is presenting called discrete sine transform based multi imaging sensor data fusion algorithm. Here multi imaging sensor data fusion using 2D-DST is developed, implemented and tested using image fusion quality evaluation metrics. The proposed fusion algorithms were compared with discrete Cosine transform based fusion.
algorithms and it is observed from the results that they are almost similar and comparable. The proposed fusion algorithms are computationally simple and could be used in real time applications.

References


Index Terms

Computer Science

Image Processing

Keywords

Discrete Sine Transform Image Fusion Discrete Cosine Transform.