Image fusion is a process of combining data from multiple images of a single object or same scene to produce an image which retains information from either of the images. The fusion of satellite images will unite PAN and MS images to generate new MS image having the qualities of both the input images. The registration process is to align both the images. Proper registration of panchromatic and multispectral images produces the good fusion result. Proposed Novel Registration and Fusion method uses, Speeded Up Robust Feature (SURF) method with Random Sample Consensus algorithm to combine the PAN and MS images. Eight performance measurement parameters are considered to validate the fusion result.

References


Index Terms

Computer Science                   Information Sciences

Keywords

Panchromatic, Multispectral, Registration, Fusion, Remote Sensing.