Abstract

Image fusion is a process of combining relevant information from input images. Several image fusion techniques are available and are used according to the application. Now-a-days advanced sensors are used for image acquisition. However these sensors usually cannot capture whole information. Hence images from different sensors are combined together to produce more informative image. When image fusion algorithm is applied, different solutions are available. Thus it is necessary to select an optimal solution for image fusion. This optimal solution fuses the input images giving a fused image which contains more information than either input images. Genetic algorithm is an optimization method used for searching solution of large number of problems. This paper gives a brief overview of image fusion techniques using
genetic algorithms.

References

- Hengjun Zhao, Zhaowei Shang, Yuan Yan Tang and Bin Fang, "Multi-focus image fusion based on the neighbor distance"); Pattern Recognition, vol. 46, pp. 1002-1011, 2013.

**Index Terms**

Computer Science  
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**Keywords**

Image Fusion  
genetic Algorithm  
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