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Abstract

The cirrus clouds are a sort of transparent clouds that are barely visible in many satellite images. These clouds form a reflection effect in the images which hide the crucial information in remote sensing. Thus the removal of cirrus effect is essential to have an effective remote sensing over coastal regions and the following proposed algorithms proved to be cirrus-free images. The techniques used here is Generic and Otsu algorithms which is based on segmentation and thresholding respectively. The empirical technique is described,and the sample analysed results are presented. The algorithms proposed here are applicable to cirrus corrections over clear water surfaces for other hyperspectral imaging instruments.

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Index Terms

Computer Science   Cloud Computing

Keywords

Cirrus Clouds   Remote Sensing   Ocean Color   Genetic Algorithm.