

The Application of High Order Correlation Method in Image Processing

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ABSTRACT

In this research we apply high order correlation method in image processing, which includes the recognition of table document and the trace of satellite cloud image. The high order correlation recursively computes the spatio-temporal cross-correlation between data of consecutive scans which can increase the speed and accuracy of processing. In the processing of table document, first, there is to be scanned and detected in vertical and horizontal orientation. It can be extracted the features of length and number of lines from table document image. The recognition capabilities base on the extracted features. In the processing of satellite cloud image trace, and distinguish the movement cloud and non-movement land. In this research, we take the example by real satellite image, and identify the trace by the description of typhoon movement.

Keywords : high order correlation method ; image processing

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