

A Split-Remerge Method for Eliminating Processing Window Artifacts in Recursive Hierarchical Segmentation

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DESCRIPTION

This invention is a data recursive segmentation implementing method. The method involves recursively dividing data into subsections each having a boundary. A dissimilarity criterion is calculated between a new region and a spatially adjacent region. The new region is merged with the most similar spatially adjacent region if the dissimilarity criterion is less than a maximum merging threshold. The merging step is repeated until predetermined number of merged regions is attained.

FEATURES AND BENEFITS

- The new region is merged with the most similar spatially adjacent region if the dissimilarity criterion is less than the maximum merging threshold, thus effectively eliminating a process window artifact in the recursive hierarchical segmentation of data.

APPLICATIONS

- Remote Sensing
- Medical Imaging
- Image Data mining
- Thermal Image Analysis
- Nondestructive Testing
- Sonar and Radar Data Analysis

FOR MORE INFORMATION

If you are interested in more information or want to pursue transfer of this technology, GSC-14994-1, please contact:

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