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Visualization of hierarchical structure of multispectral remote sensing data

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Abstract

A method of visualization of multispectral remote sensing data hierarchical structure for their analysis by an expert is described. The method is based on visualization of the segmented image that corresponds to the selected by the expert part of hierarchic clusterization dendrogram of remote sensing multispectral image. The above dendrogram is a hierarchy of the spectral patterns of the studied objects. The choice of the dendrogram part results from the aimed visual search by the expert of the studied objects on the segmented images by use of his visual abilities as well as knowledge and intuition. The factors producing errors are investigated, and ways of their reduction are described.
