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CLUSTERING MULTISPECTRAL DATA WITHOUT AN ALGORITHM: AN INTERACTIVE APPROACH

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The possibility of approaching multispectral data without any assumption on its statistical nature is dicussed with an emphasis on the inspection of multidimensional histograms and plots.

A method is proposed which enables the user to select the clusters in an interactive way upon display of a two dimensional histogram. The direct applicability of this method to the classification of LANDSAT MSS data is discussed. The extension of the method to the case of more general data is also discussed.

The implementation of the method as a part of the ER-MAN II interactive system is presented and preliminary results of its application to LANDSAT data are shown.