

4.24 AN APPROACH FOR CLASSIFICATION OF HYDROMETEORS BY K-MEANS CLUSTERING

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Weather radar base moments including especially polarimetric moments are used for classification of hydrometeors. Some of hydrometeor classes have values in approximately same intervals, i.e. have intersecting regions. In general, melting layer phenomenon or temperature information is used in order to distinguish ambiguity. These information could be manually provided or automatically obtained by some another algorithms. Aim of this study is to acquire melting layer position information and hydrometeor classes with a single clustering study such as k-means clustering.