

Thesis Title	Modified Hausdorff ARTMAP for Binary Image Recognition
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ABSTRACT

This paper present Modified Hausdorff ARTMAP for Binary Image Recognition. The proposed algorithm is developed to correct two problems that the original Hausdorff ARTMAP has : (1) the performance of Hausdorff ARTMAP depends directly on the order in which the training images are examined, (2) the time used for recognition the subject is long due to its large reference pattern size. The Hausdorff distance is used in this research to measure the similarity among the input images. The experimental results on four benchmark databases, two face databases, one fingerprint database and one signature database.