ABSTRACT

BP is by far the most widely used algorithm to train MLPs for pattern recognition and other similar tasks. However it is stigmatized with the problems of low convergence, instability and overfitting. In addition, the optimal values of the learning rate, momentum, the number of hidden layers and its dimension are obtained through trial and error   method.   In this work, we evaluate eleven (11) enhanced   BP algorithms in classifying aircraft images.   The image is   represented using a set of Zernike Moment Invariants.