## The Behaviour of Multiple Layer Perceptron and Linear Programming

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## ABSTRACT

The multiple layer perceptron can effectively classify data points in n-dimensional space into an arbitrary number of classes when a set of data points from all classes were presented. A linear programming model that is equivalent to the multiple layer perceptron is formulated, and compared with the neural network model. Our result from computational experiment performed on a transputer-based parallel computing machine is briefly discussed.