

DATA MINING APPLICATION USING DECISION TREE AND ANN FOR PREDICTING SURFACE ROUGHNESS OF END MILLING MANUFACTURING PROCESS

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ABSTRACT

Data mining is a current technology found to be useful in many complicated fields. In manufacturing, it recently became very popular. These techniques can provide considerable competitive advantages to the manufacturing field. Traditional data analysis techniques have some limitations in analysing the complex structure of surface roughness systems. Conventional try and error method is time consuming as well as high cost. The purpose for this research is to develop data mining model (Decision Tree & Artificial Neural Network). The result from this research is useful to be implemented in industry to reduce time and cost in surface roughness prediction.