TRANSIENT RESPONSE STUDY OF INDUCTION MOTOR USING MATLAB/SIMULINK

This project report is represent in partial of fulfilment for the award of the

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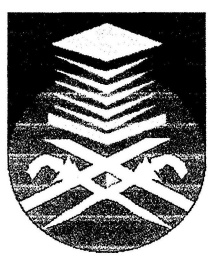
MALAYSIA



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ABSTRACT

This project investigates the nature of transient phenomena found in an induction motor. Electric machines play an important role in industry as well as our day-to-day life. They are used to generate electrical power in power plants and provide mechanical work in industries. The induction machine is considered to be basic electric machines. The present of transient phenomena is not acceptable. It covers the background review of induction motors and the type of induction motor modelled. Parameters are extracted from the selected induction motor by the means of experimental results while some are synthetic parameter values. The simulation by using MATLAB is used in order to understand on the effect of the transient response.

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