

## **Modeling and Simulation of Stetting 3- phase Induction Mater by using direct and V/F method,on Matlab/Simulink**

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### **Abstract**

**In this paper, a simulation model of three phase induction motor is done using MATLAB/Simulink and MATLAB/Simpowersystem.**

**We used a group of elements from the simulink and Simpowersystem libraries, so that every element represents a solution for math. equation (Math.model) for the motor and its control system.**

**We present, in this paper, a research about simulating some used ways in controlling the three phase, squirrel cage, induction motor. They are: controlling using V/f=const. technology and direct starring(without control).**

**The performance of the motor obtained by two different methods are compared. These two methods are developed by the system simulation.**

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**Keywords: AC. Motors; AC. Motors drives; V/f control, Control Systems, Matlab/Power System Blockset.**

For the abstract in Arabic see pages (75-91).

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