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Modelling and Analysis of Electric Machines by Dr. Krishna Vasudevan, Department of Electrical Engineering, IIT Madras. For more details on NPTEL visit <http://n...>

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Synchronous machine drives: self-control and permanent magnet field. Every chapter of Dynamic Simulation of Electric Machinery includes exercises and projects that can be explored using the accompanying software. A full chapter is devoted to the use of MATLAB and SIMULINK, and an appendix provides a convenient overview of key numerical methods used.

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SIMULATION OF ELECTRIC MACHINE AND DRIVE SYSTEMS USING MATLAB AND SIMULINK . Mahmoud Riaz, Sc.D. Professor of Electrical Engineering Department of Electrical and Computer Engineering University of Minnesota . Info. Download. References

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The simulation of the inputs to the machines involves the mathematical representation of programmed time sequence of events such as the sudden application or removal of mechanical loads, the ramping of the magnitude and frequency of the applied voltages, or even the changes in parameter values (for instance, rotor resistance).

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