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# System Design through Matlab®, Control Toolbox and Simulink®

- **MATLAB is now an essential tool of most engineers**
- **MATLAB is a complicated application and users like help - the more basic the better**

MATLAB, a software package developed by Math Works, Inc. is powerful, versatile and interactive software for scientific and technical computations including simulations. Specialised toolboxes provided with several built-in functions are a special feature of MATLAB. This book titled System Design through MATLAB, Control Toolbox and SIMULINK aims at getting the reader started with computations and simulations in system engineering quickly and easily and then proceeds to build concepts for advanced computations and simulations that includes the control and compensation of systems. Simulation through SIMULINK has also been described to allow the reader to get the feel of the real world situation. This book is appropriate for undergraduate students undergoing final semester of their project work, postgraduate students who have MATLAB integrated in their course or wish to take up simulation problem in the area of system engineering for their dissertation work and research scholars for whom MATLAB

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