



# MATLAB for Mechanical Engineers

*R. V. Dukkipati*

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## KEY FEATURES:

- Coverage of basics of MATLAB and its applications
- Worked examples and exercise problems of greater pedagogy
- Inclusion of lecture notes into theoretical aspects based on author's international teaching experience.

## ABOUT THE BOOK:

This book is developed to improve the programming in skills of students using MATLAB environment and to use it as a tool in solving problems in engineering. An introduction to MATLAB basics is presented along with MATLAB commands. Computer aided design and analysis using MATLAB with the Symbolic Math Tool box and the Control System Tool box has been incorporated. The book contains many solved problems and unsolved exercise problems that demonstrate the application of MATLAB to the analysis of problems in control systems, basic engineering mechanics: statics and dynamics, mechanical vibrations, electrical circuits and numerical methods.

Also available:

Analysis & Design of Control Systems using MATLAB - ISBN 1906574197

Solving Engineering Mechanics Problems with MATLAB - ISBN 1906574340

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