



LIST OF BOOKS ON



(Available in Central Library)

How to recommend a book?

You may recommend the books by filling out recommendation forms available on the website

(<https://library.iitd.ac.in/bookrecommendation>)

or through online recommendation system

(<https://library.iitd.ac.in/obrs> or

<https://internal.iitd.ac.in/library/> or)

using your Kerberos id and password.

Compiled by,

Collection Development Division,

Central Library

Indian Institute of Technology Delhi

Ph: 2659 6622/6096 | email: cdd@library.iitd.ac.in

1. Abu-Rub, Haitham, Iqbal, Atif and Guzinski, Jaroslaw (2012). *High performance control of AC drives with MATLAB/Simulink models*. Chichester: John Wiley.
621.313:681.3.06M ABU-H 161681 | CL
2. Abu-Rub, Haitham, Iqbal, Atif and Guzinski, Jaroslaw (2021). *High performance control of AC drives with MATLAB/Simulink*. (2nd ed.). Hoboken: Wiley.
621.313:681.3.06M ABU-H 178193 | CL
3. Ali, Warsame Hassan, Abood, Samir Ibrahim & Sadiku, Matthew N. O. (2019). *Fundamentals of electric machines: a primer with MATLAB*. Boca Raton: CRC Press.
621.313:681.3.06M ALI-F 175279 | CL
4. Altman, Yair (2015). *Accelerating MATLAB performance*. Boca Raton: CRC Press.
519.6:681.3.06M ALT-A 170456 | CL
5. Ansari, Khyruddin Akbar & Dichone, Bonni (2018). *Introduction to numerical methods using MATLAB*. Kansas: SDC Publications.
517.9:681.3.06M ANS-I 175282 | CL
6. Araghinejad, Shahab (2014). *Data-driven modeling: using MATLAB in water resources and environmental engineering*. New York: Springer.
628.1:681.3.06M ARA-D 173151 | CL
7. Asadi, Farzin (2022). *Essential circuit analysis using NI Multisim and MATLAB*. Cham: Springer.
621.38:681.3.06M ASA-E 177164 | CL
8. Asundi, Anand Krishna (2002). *MATLAB for photomechanics: a primer*. Amsterdam: Elsevier.
535.55:681.3.06 ASU-M 155219 | CL
9. Attaway, Stormy (2017). *MATLAB: a practical introduction to programming and problem solving*. Amsterdam: Elsevier.
681.3.06M ATT-M 170986 | CL
10. Banchs, Rafael E. (2013). *Text mining with MATLAB*. New York: Springer.
681.3.01 BAN-T 163515 | CL
11. Bestehorn, Michael (2023). *Computational physics: with worked out examples in FORTRAN® and MATLAB®* (2nd ed.). Berlin: De Gruyter.
53:517 BES-C 178240 | CL
12. Bhatti, M. Asghar (2006). *Advanced topics in finite element analysis of structures: with Mathematica and MATLAB*. Hoboken: John Wiley.
624.04:681.3.06M BHA-A 151005; 176048 | CL
13. Binh, L. Nguyen & Ngo, Nam Quoc (2011). *Ultrafast fiber lasers: principles and applications with MATLAB models*. Boca Raton: Taylor & Francis.
621.391:681.3.06M BIN-U 158422 | CL

14. Binh, Le Nguyen (2014). *Optical fiber communication systems with MATLAB and Simulink models*. Boca Raton: CRC Press.
621.391 BIN-O 166469 | CL
15. Binh, Le Nguyen (2010). *Optical fiber communications systems: theory and practice with MATLAB and Simulink models*. Boca Raton: Taylor & Francis.
621.391 BIN-O 157917; 158844 | CL; EE
16. Bishop, Robert H. (1997). *Modern control systems analysis and design using MATLAB and Simulink*. Menlo Park: Addison Wesley.
621-52:681.3.06M BIS-M 141961 | CL
17. Blanchet, Gerard & Charbit, Maurice (2006). *Digital signal and image processing using MATLAB*. London: I.S.T.E..
IDDC 621.391 BLA-D 148409 | SENSE
18. Bober, William & Stevens, Andrew (2013). *Numerical and analytical methods with MATLAB for electrical engineers*. Boca Raton: Taylor & Francis.
519.6:681.3.06M BOB-N 162626-162627 | CL; EE
19. Bober, William, Tsai, Chi-Tay & Masory, Oren (2009). *Numerical and analytical methods with MATLAB*. Boca Raton: Taylor & Francis.
519.6:681.3.06M BOB-N 157334, 156247 | CL; MA
20. Boldea, Ion & Tutelea, Lucian (2010). *Electric machines: steady state, transients and design with MATLAB*. Boca Raton: Taylor & Francis.
621.313 BOL-E 157868-157869 | CL; EE
21. Bornemann, Folkmar (2018). *Numerical linear algebra: a concise introduction with MATLAB and Julia*. Switzerland: Springer.
512.64:681.3.06M BOR-N 172300; 173535 | CL; MA
22. Brown, Arik D. (Ed.) (2012). *Electronically scanned arrays MATLAB modeling and Simulation*. Boca Raton: Taylor & Francis.
621.382:681.3 -ELE 162370 | CL
23. Brown, Tim, Carvalho, Elisabeth De & Kyritsi, Persefoni (2012). *Practical guide to the MIMO radio channel with MATLAB examples*. West Sussex: John Wiley.
621.391 BRO-P 165588 | CL
24. Burstein, Leonid (2020). *MATLAB primer for technical programming for materials science and engineering*. Cambridge: Elsevier.
620.1:681.3.06M BUR-M 177766 | CL
25. Butt, Rizwan (2015). *Introduction to applied numerical linear algebra using MATLAB*. New Delhi: Narosa.
512.64:004.4MAT BUT-I 167337-167346 | CL; TB

26. Chandrasekaran, Srinivasan (2019). *Advanced structural analysis with MATLAB®*. Boca Raton: CRC.
624.04:681.3.06M CHA-A 174134 | CL
27. Chaparro, Luis F. (2014). *Signals and systems using MATLAB/* by Luis F. Chaparro. Amsterdam: Elsevier.
621.391:681.3.06M CHA-S 166199 | CL
28. Chapman, Stephen J. (2002). *MATLAB programming for engineers*. Singapore: Thomson Learning.
681.3.06 CHA-M 141960 | CL
29. Chapra, Steven C. (2019). *Applied numerical methods: with MATLAB for engineers and scientists*. Chennai: McGraw Hill (India).
517.949:681.3.06M CHA-A 173814-173816 | CL; TB
30. Chapra, Steven C. (2005). *Applied numerical methods with MATLAB for engineers and scientists*. Boston: McGraw Hill.
517.949:681.3.06 CHA-A 147099 | AM
31. Chaturvedi, Devendra K. (2009). *Modeling and simulation of systems using MATLAB and Simulink*. Boca Raton: Taylor & Francis.
681.3.06M CHA-M 158276-158277 | CL;EE
32. Chelikowsky, James R. (2019). *Introductory quantum mechanics with MATLAB*. Weinheim: John Wiley.
530.145:681.3.06M CHE-I 173513 | CL
33. Childers, Donald G. (1997). *Probability and random processes using MATLAB with applications to continuous and discrete time systems*. New York: McGraw-Hill .
EE 519.21 CHI-P 141343-141344 | CL; EE
34. Cohen, Mike X. (2017). *MATLAB for brain and cognitive scientists*. Cambridge: MIT Press.
159.937: 681.3M COH-M 178022-23 | CL; HSS
35. Coleman, Matthew P. (2005). *Introduction to partial differential equations with MATLAB*. Boca Raton: Chapman & Hall/CRC.
517.944:681.3.06 COL-I 145959 | CL
36. Coleman, Matthew P. (2013). *Introduction to partial differential equations with MATLAB*. (2nd ed.). Boca Raton: CRC Press.
517.944:681.3.06 COL-I 165972 | CL
37. Corinthios, Michael (2009). *Signals, systems, transforms, and digital signal processing with MATLAB*. Boca Raton: Taylor & Francis.
621.391.81 COR-S 155713 | CL

38. Corke, Peter (2017). *Robotics, vision and control: fundamentals algorithms in MATLAB*. Switzerland: Springer.
681.3-52 COR-R 170370 | CL
39. Corke, Peter (2022). *Robotics and control: fundamental algorithms in MATLAB*. Cham: Springer.
681.3.06-52M COR-R 178701 | CL
40. Costa, Peter J. (2017). *Applied mathematics for the analysis of biomedical data: models, methods and MATLAB*. Hoboken: John Wiley.
577.3:681.3.06M COS-A 171756-171757 | CL; CBME
41. D.W. Gu, Petkov, P.Hr. & Konstantinov, M.M. (2005). *Robust control design with MATLAB*. New Delhi: Springer.
681.3-52 GU-R 150096 | CL
42. Deb, Anish & Ghosh, Suchismita (2014). *Power electronic systems: Walsh analysis with MATLAB*. Boca Raton: CRC Press.
621.38:681.3.06M DEB-P 165997 | CL
43. Demirkaya, Omer, Asyali, Musa Hakan & Sahoo, Prasanna K. (2009). *Image processing with MATLAB: applications in medicine and biology*. Boca Raton: Taylor & Francis.
616-073 DEM-I 155709 | CL
44. Dianat, Sohail A. & Saber, Eli S. (2009). *Advanced linear algebra for engineers with MATLAB*. Boca Raton: Taylor & Francis.
62:512.64 DIA-A 154902 | CL
45. Duffy, Dean G. (2003). *Advanced engineering mathematics with MATLAB*. (2nd ed.). Boca Raton: Chapman Hall.
51:62:681.3.06M DUF-A 142976 | CL
46. Duffy, Dean G. (2011). *Advanced engineering mathematics with MATLAB*. (3rd ed.). Boca Raton: Taylor & Francis.
51:62:681.3.06M DUF-A 159423; 159615 | CL; MA
47. Duffy, Dean G. (2017). *Advanced engineering mathematics with MATLAB*. (4th ed.). Boca Raton: CRC Press.
51:62:681.3.06M DUF-A 171371 | CL
48. Duffy, Dean G. (2022). *Advanced engineering mathematics with MATLAB*. (5th ed.) Boca Raton: CRC Press.
51:681.3.06M DUF-A 176927 | CL
49. Dutoit, Thierry & Marques, Ferran (2009). *Applied signal processing: a MATLAB based proof of concept*. New York: Springer.
621.391.81 DUT-A 158278, 158454 | CD; CBME

50. Elali, Taan S. (2004). *Discrete systems and digital signal processing with MATLAB*. Boca Raton: CRC Press.
621.391.8 ELA-D 144800 | CL
51. Elali, Taan S. & Karim, Mohammad A. (2008). *Continuous signals and systems with MATLAB*. Boca Raton: Taylor & Francis.
621.391.8:681.3M ELA-C 151940 | CL
52. Elsherbeni, Atef & Demir, Veysel (2009). *Finite difference time-domain method for electromagnetics with MATLAB simulations*. Raleigh: Science Tech..
621.396:681.3M ELS-F 156144 | CL
53. Etter, Delores M. (1999). *Engineering problem solving with MATLAB*. New Jersey: Prentice Hall.
62:681.3 ETT-E 140835 | CL
54. Fasshauer, Gregory & McCourt, Michael (2016). *Kernel-based approximation methods using MATLAB*. New Jersey: World Scientific.
681.3.06M FAS-K 169769 | CL
55. Ferdinand Van Der Heijden... (et al) (2004). *Classification, parameter estimation and state estimation: engineering approach using MATLAB*. Chichester: John Wiley and Sons.
51:62:681.3.06M -CLA 146498 | CL
56. Ferris, Michael C., Mangasarian, Olvi L. & Wright, Stephen J. (2007). *Linear programming with MATLAB*. Philadelphia: Society for Industrial and Applied Mathematics.
519.852:681.3 FER-L 151931 | CL
57. Fleming, P. J. & Chipperfield, A. J. (Eds.) (1993). *MATLAB toolboxes and applications for control*. London: Peter Peregrinus/IEEE.
681.3-5 -MAT 131906 | CL
58. Foley, Greg (2013). *Membrane filtration: a problem solving approach with MATLAB*. Cambridge: Cambridge University Press.
544.725 FOL-M 165193 | CL
59. Fortuna, Luigi, Frasca, Mattia & Buscarino, Arturo (2012). *Optimal and robust control: advanced topics with MATLAB*. Boca Raton: Taylor & Francis.
621-52:681.3M -OPT 163466 | CL
60. Fortuna, Luigi, Frasca, Mattia & Buscarino, Arturo (2022). *Optimal and robust control: advanced topics with MATLAB*. (2nd ed.) Boca Raton: CRC Press.
621-52:681.3M -OPT 177716 | CL
61. Fuller, John , Obiomon, Pamela & Abood, Samir I. (2023). *Power system operation, utilization, and control*. Boca Raton: CRC Press.
621.311 FUL-P 178225 | CL

62. Gander, Walter & Hrebicek, Jiri (1991). *Solving problems in scientific computing using Maple and MATLAB*. New York: Springer.
681.3.06M GAN-S G23663 | CL
63. Gekeler, Eckart W. (2008). *Mathematical methods for mechanics: a handbook with MATLAB experiments*. Berlin: Springer.
RL-HB 531.01:681.3M(021) GEK-M 153842; 154836 | REF; CL
64. Gharaibeh, Khaled M. (2012). *Nonlinear distortion in wireless systems: modeling and simulation with MATLAB*. Chichester: John Wiley.
621.391 GHA-N 162559 | CL
65. Ghassemlooy, Z., W. Popoola & Rajbhandari, S. (2013). *Optical wireless communications: system and channel modelling with MATLAB*. Boca Raton: Taylor & Francis.
621.391 GHA-O 163064 | CL
66. Giron-Sierra, Jose Maria (2017). *Digital signal processing with MATLAB examples*. Singapore: Springer.
621.391.81 GIR-D 171335-171336 | CL
67. Giurgiutiu, Victor & Lyshevski, Sergey Edward (2004). *Micromechatronics: modeling, analysis and design with MATLAB*. Boca Raton: CRC Press.
621 GIU-M 145124 | CL
68. Giurgiutiu, Victor & Lyshevski, Sergey Edward (2009). *Micromechatronics: modeling, analysis and design with MATLAB*. (2nd ed.). Boca Raton: Taylor & Francis.
621 GIU-M 158028; 155978 | CL; ME
69. Gonen, Turan (2012). *Electrical machines with MATLAB*. Boca Raton: Taylor and Francis.
621.313:681.3.06M GON-E 162754 | CL
70. Gross, Frank B. (2005). *Smart antennas for wireless communications with MATLAB*. New York: McGraw Hill.
621.382 GRO-S 149075 | CL
71. Hahn, Brian & Valentine, Daniel T. (2017). *Essential MATLAB*. Amsterdam: Elsevier.
681.3.06M HAH-E 170984 | CL
72. Hahn, Brian & Valentine, Daniel T. (2014). *Essential MATLAB for engineers and scientists*. Amsterdam: Elsevier.
681.3M HAH-E 167590 | CL
73. Hahn, Brian D. (1997). *Essential MATLAB for scientists and engineers*. London: Arnold.
681.3.06(M) HAH-E 137628 | CSE
74. Hasbun, Javier E. & Datta, Trinanjan (2020). *Introductory solid state physics with MATLAB applications*. Boca Raton: CRC Press.
539.2:681.3.06M HAS-I 173977; 174838 | CL; PH

75. Hassan, Emad S. (2016). *Multi-carrier communication systems with examples in MATLAB: a new perspective*. Boca Raton: CRC Press.
621.391:681.3.06M HAS-M 168769 | CL
76. Hatch, Michael R. (2001). *Vibration simulation using MATLAB and ANSYS*. Boca Raton: Taylor & Francis.
621-752:681.3.06 HAT-M 153752 | CL
77. Herniter, Marc E. (2001). *Programming in MATLAB*. New Delhi: Thomson Press.
681.3.06M HER-P 145214 | CSC
78. Howard, Carl Q. & Cazzolato, Benjamin S. (2015). *Acoustic analyses using MATLAB and Ansys*. Boca Raton: CRC Press.
681.3:004.41MAT HOW-A 167209-167210 | CL; AM
79. Hunt, Brian R... (et.al.) (2001). *Guide to MATLAB*. Cambridge: Cambridge University Press.
681.3.06M HUN-G 143276-143280 | TB
80. Ingle, Vinay K. & Proakis, John G. (2000). *Digital signal processing using MATLAB*. Thomson: Pacific Grove.
681.32:621.391.8 ING-D 145024 | CSC
81. Jaluria, Yogesh (2012). *Computer methods for engineering with MATLAB applications*. Boca Raton: Taylor and Francis.
517.949:62 JAL-C 161381 | CL
82. Jaluria, Yogesh (2020). *Design and optimization of thermal systems: with MATLAB applications*. Boca Raton: CRC Press.
621.4:681.3.06M JAL-D 173669 | CL
83. Kalluri, Dikshitulu K. (2012). *Electromagnetic waves, materials and computation with MATLAB*. Boca Raton: CRC Press.
621.37:681.3 KAL-E 161003 | CL
84. Kattan, Peter. I. (2003). *MATLAB guide to finite elements: interactive approach*. Berlin: Springer-Verlag.
517.949:681.3 KAT-M 144263; 150872 | CL; AM
85. Kay, Steven M. (2005). *Intuitive probability and random processes using MATLAB*. Berlin: Springer.
519.21:681.3M KAY-I 148810 | CL
86. Keskin, Ali Ümit (2019). *Ordinary differential equations for engineers: problems with MATLAB solutions*. Cham: Springer.
517.91:681.3.06M KES-O 176782 | CL
87. Keviczky, Laszlo...(et al.) (2019). *Control engineering: MATLAB exercises*. Singapore: Springer.
621-52:681.3.06M -CON 177031 | CL

88. Kharab, Abdelwahab & Guenther, Ronald B. (2012). *Introduction to numerical methods: a MATLAB approach*. Boca Raton: Taylor & Francis.
517.949:681.3 KHA-I 161775 | CL
89. Khatib, Tamer & Elmenreich, Wilfried (2016). *Modeling of photovoltaic systems using MATLAB*. Hoboken: John Wiley.
621.383.51:681.3.06M KHA-M 171033 | CL
90. Khennane, Amar (2013). *Introduction to finite element analysis using MATLAB and Abaqus*. Boca Raton: CRC Press.
517.949 KHE-F 166768 | CL
91. Kim, Jongrae (2023). *Dynamic system modelling and analysis with MATLAB and Python: for control engineers*. Hoboken: Wiley.
621-52:681.3 KIM-D 178232 | CL
92. Kim, Keonwook (2021). *Conceptual digital signal processing with MATLAB*. Singapore: Springer.
621.391:681.3.06M KIM-C 176663 | CL
93. Kisacanin, Branislav & Agarwal, Gyan C. (2001). *Linear control systems: with solved problems and MATLAB examples*. New York: Kluwer.
517.977.1:681.3M KIS-L 152460-152461 | CL;EE
94. Kiusalaas, Jaan (2005). *Numerical methods in engineering with MATLAB*. New York: Cambridge University Press.
51:62:681.3 KIU-N 157608; 147999 | CL;TB
95. Klee, Harold (2007). *Simulation of dynamic systems with MATLAB and Simulink*. Boca Raton: Taylor & Francis.
681.3 KLE-S 150353 | CL
96. Klee, Harold & Allen, Randal (2011). *Simulation of dynamic systems with MATLAB and Simulink*. Boca Raton: Taylor & Francis.
681.3 KLE-S 162166 | CL
97. Klee, Harold & Allen, Randal (2018). *Simulation of dynamic systems with MATLAB and Simulink*. (3rd ed.). Boca Raton: CRC Press.
681.3 KLE-S 171768 | CL
98. Klima, Richard E & Sigmon, Neil P. and Stitzinger, Ernest L. (2007). *Applications of abstract algebra with MAPLE and MATLAB*. Boca Raton: Taylor & Francis.
512.5:681.3.06 KLI-A 161271 | CL
99. Komurcugil, Hasan(et al.) (2023). *Advanced control of power converters: techniques and MATLAB/Simulink Implementation*. Hoboken: Wiley.
621.314.5:004.438M -ADV 179101 | CL
100. Krantz, Steven G. (2012). *Complex variables: a physical approach with applications and MATLAB*. Boca Raton: Taylor & Francis.
517.55:681.3 KRA-C 161249-161255 | CL; TB

101. Kwon, Roy H. (2014). *Introduction to linear optimization and extensions with MATLAB*. Boca Raton: CRC Press.
519.852 ROY-I 165200 | CL
102. Law, Victor J. (2013). *Numerical methods for chemical engineers using Excel, VBA and MATLAB*. Boca Raton: CRC Press.
66.0:681.3.06 LAW-N 165524 | CL
103. Lei, Bangjun... (et.al.) (2017). *Classification, parameter estimation and state estimation: engineering approach using MATLAB*. Hoboken: John Wiley.
51:62:681.3.06M -CLA 173592 | CL
104. Leis, John W. (2008). *Digital signal processing: a MATLAB-based tutorial approach*. New Delhi: Overseas Press.
621.391.81:681.3M LEI-D 150661-150664 | CL; CSE
105. Leonard, Naomi Ehrlich (1995). *Using MATLAB to analyze and design control system* : S.I.: Addison Wesley.
629.7.62:681.3 LEO-U 136514 | CES
106. Li, Gang (2021). *Introduction to the finite element method and implementation with MATLAB*. Cambridge: Cambridge University Press.
517.949:681.3M LI-I 176627 | CL
107. Li, Jichun & Chen, Yi-Tung (2020). *Computational partial differential equations using MATLAB®*. Boca Raton: CRC Press.
517.951:681.3.06M LI-C 175283; 175809; 176327 | CL; ME; MA
108. Lockhart, Shawna & Tilleson, Eric (2019). *Engineer's introduction to programming with MATLAB 2019*. New York: SDC Publications.
681.3.06M LOC-E 173318 | CL
109. Lurie, Boris J. & Enright, Paul J. (2020). *Classical feedback control with nonlinear multi-loop systems: with MATLAB® and Simulink®*. (3rd ed.). Boca Raton: CRC Press.
621.3:681.3.06M LUR-C 173706 | CL
110. Lurie, Boris J. & Enright, Paul. J. (2012). *Classical feedback control with MATLAB and Simulink*. Boca Raton: Taylor & Francis.
629.78:681.3.06 LUR-C 162678-162679 | CL; EE
111. Mahafza, Bassem R. (2005). *Radar systems analysis and design using MATLAB*. Boca Raton: Chapman & Hall.
621.396.96:681.3 MAH-R 146725 | CL
112. Mahafza, Bassem R. (2022). *Radar systems analysis and design using MATLAB(4th ed)*. Boca Raton: CRC Press.
621.396.96:004.438M MAH-R 178566 | CL

113. Malek-Madani, Reza (2012). *Physical oceanography: a mathematical introduction with MATLAB*. Boca Raton: Taylor & Francis.
551.46 MAL-P 162212 | CL
114. Marghitu, Dan B. & Dupac, Mihai (2012). *Advanced dynamics: analytical and numerical calculations with MATLAB*. New York: Springer.
531.3:681.3.06 MAR-A 162591; 165730 | CL; AM
115. Martin, Mariano Martin (Ed.) (2020). *Introduction to software for chemical engineers: finite-difference frequency - domain in MATLAB*. Boca Raton: CRC Press.
66:004.41 -INT 177272 | CL
116. Martinez, Wendy L. & Martinez, Angel R. (2008). *Computational statistics handbook with MATLAB*. (2nd ed.). Boca Raton: Taylor & Francis.
519.2:681.3.06M MAR-C 151213 | CL
117. Martinez, Wendy L. & Martinez, Angel R. (2002). *Computational statistics handbook with MATLAB*. Boca Raton: Chapman & Hall/CRC press.
519.2:681.3.06M MAR-C 142201 | CL
118. Martinez, Wendy L., Angel R. Martinez & Jeffrey L. Solka (2017). *Exploratory data analysis with MATLAB*. Boca Raton: CRC Press.
519.23:681.3.06M MAR-E 171403 | CL
119. Mathy, Fabien & Chekaf, Mustapha (2018). *Experiments and modeling in cognitive science: MATLAB, SPSS, Excel and E-Prime*. Oxford: Elsevier.
159.9.072:004.94 MAT-E 175630 | CL
120. McMahon, David (2007). *MATLAB demystified*. New York: McGraw Hill.
681.3.06M MCM-M 175142 | CL
121. Meyer, Johan, Sompo, Justice & Von Solms, Sune (2022). *Fiber lasers: fundamentals with MATLAB® modelling*. Boca Raton: CRC Press.
535.3:681.3.06M MEY-F 176773 | CL
122. Mishra, K. K. (2007). *Handbook on numerical technique lab: MATLAB based experiments*. New Delhi: I. K. International.
RL-HB 681.3.06M(021) MIS-H 152078 | REF
123. Mohan, Ned (2014). *Advanced electric drives: analysis, control, and modeling using MATLAB / Simulink*. New Jersey: John Wiley.
621.313.13:681.3M MOH-A 166216 | CL
124. Mokhtari, Mohand... (et.al.) (Tr.) (2000). *Engineering applications of MATLAB 5.3 and SIMULINK 3*. London: Springer-Verlag.
51:62:681.3 MOK-E G22481 | CL

125. Moukalled, F., Mangani, L. & Darwish, M. (2016). *Finite volume method in computational fluid dynamics: an advanced introduction with OpenFOAM and MATLAB*. New York: Springer.
532.5:681.3 MOU-F 175146 | CL
126. Musa, Sarhan M. (Ed.) (2020). *Computational nanotechnology: modeling and applications with MATLAB®*. Boca Raton: CRC Press.
620.3:681.3.06M -COM 174108 | CL
127. Nikraves, Parviz E. (2019). *Planar multibody dynamics: formulation, programming with MATLAB, and applications*. Boca Raton: CRC Press.
531.3:681.3.06M NIK-P 174092 | CL
128. Ong, Chee-Mun (1998). *Dynamic simulation of electric machinery: using MATLAB/Simulink*. New Jersey: Prentice Hall.
621.313:681.3:519.28 ONG-D 137605 | CL
129. Ovalle, Andrés, Bacha, Seddik & Hably, Ahmad (2018). *Grid optimal integration of electric vehicles: examples with MATLAB implementation*. Cham: Springer.
629.064.5:681.3.06M OVA-G 176769 | CL
130. Palamides, Alex & Veloni, Anastasia (2011). *Signal and systems laboratory with MATLAB*. Boca Raton: Taylor & Francis.
621.391:681.3.06M PAL-S 158525; 159016 | CL
131. Pepper, Darrell W. & Heinrich, Juan C. (2017). *Finite element method: basic concepts and applications with MATLAB, MAPLE and COMSOL*. New York: CRC Press.
517.96:681.3.06 PEP-F 170365 | CL
132. Perelumuter, Viktor M. (2013). *Electrotechnical systems: simulation with Simulink and simpowersystems*. Boca Raton: Taylor & Francis.
621.357 PER-E 164764 | CL
133. Perez Fontan, F. & Espineira, P. Marino (2008). *Modeling the wireless propagation channel: a simulation approach with MATLAB*. Chichester: John Wiley.
621.396:681.3M PER-M 152956 | CL
134. Petkov, Petko H., Slavov, Tsonyo N & Krlev, Jordan K. (2018). *Design of embedded robust control systems using MATLAB / Simulink*. London: IET Publisher.
681.3.06-52M PET-D 176841 | CL
135. Poon, Ting-Chung (2007). *Optical scanning holography with MATLAB*. New York: Springer.
535.4:681.3M POO-O 152397 | SENSE
136. Poon, Ting-Chung & Banerjee, P.P. (2001). *Contemporary optical image processing with MATLAB*. Amsteram: Elsevier.
681.327.57 POO-C 143275 | CL

- 137.Poon, Ting-Chung & Kim, Taegeun Kim (2006). *Engineering optics with MATLAB*. Singapore: World Scientific.
535.8:681.3 POO-E 161524 | CL
- 138.Poon, Ting-Chung & Kim, Taegeun Kim (2018). *Engineering optics with MATLAB*.(2nd ed.). London: World Scientific.
535.8:681.3 POO-E 172194-172195 | CL; PH
- 139.Poularikas, Alexander D. (2009). *Discrete random signal processing and filtering primer with MATLAB*. Boca Raton: Taylor & Francis.
621.391:681.3M POU-D 155014 | CL
- 140.Poularikas, Alexander D. (2007). *Signals and systems primer with MATLAB*. Boca Raton: Taylor & Francis.
621.391 POU-S 157874 | CL
- 141.Poularikas, Alexander D. (2018). *Understanding digital signal processing with MATLAB and solutions*. Boca Raton: CRC Press.
621.391:681.3.06M POU-U 171254 | CL
- 142.Poularikas, Alexander D. & Ramadan, Zayed M. (2005). *Adaptive filtering primer with MATLAB*. Boca Raton: Taylor & Francis.
621.391.81:681.3M POU-A 151845 | EE
- 143.Pozrikidis, Constantine (2014). *Introduction to finite and spectral element methods using MATLAB*. Boca Raton: CRC Press.
517.96:681.3.06M POZ-I 166359 | CL
- 144.Pratap, Rudra (2010). *Getting started with MATLAB: a quick introduction for scientists and engineers*. Delhi: Oxford University Press.
681.3.06M PRA-G 160316-160325 | CL; TB; MA
- 145.Pratap, Rudra (2006). *Getting started with MATLAB 7: a quick introduction for scientists and engineers*. New Delhi: Oxford University Press.
681.3.06M PRA-G G23194 | CL
- 146.Qin, George (2021). *Computational fluid dynamics for mechanical engineering*. Boca Raton: CRC Press.
532.5:5193.6 QIN-C 176065; 176568; 176671 | CL; AM; ME
- 147.Qin, Qing-Hua & Wang, Hui (2008). *MATLAB and C programming for Trefftz finite element methods*. Boca Raton: Taylor & Francis.
517.96:681.3.06 QIN-M 153340 | CL
- 148.Quinquis, Andre (ed.) (2008). *Digital signal processing using MATLAB*. New York: John Wiley.
621.391.81 -DIG 152888 | CL

- 149.Radi, Bouchaib & El Hami, Abdelkhalak (2018). *Advanced numerical methods with MATLAB 1: function approximation and system resolution*. Hoboken: ISTE/John Wiley.
517.9:681.3.06M RAD-A 173218 | CL
- 150.Radi, Bouchaib & El Hami, Abdelkhalak (2018). *Advanced numerical methods with MATLAB 2: resolution of nonlinear, differential and partial differential equations*. Hoboken: ISTE/John Wiley.
517.9:681.3.06M RAD-A 173219 | CL
- 151.Roberts, Michael J. (2003). *Signal and systems: analysis using transform methods and MATLAB*. New Delhi: McGraw-Hill.
621.391 ROB-S 146447-146478 | CL; SENSE
- 152.Rossi, Mattia... (et.al.) (2022). *Introduction to microcontroller programming for power electronics control applications: coding with MATLAB and Simulink*. Boca Raton: CRC Press.
681.3M -INT 176344 ; 177484 | CL; EE
- 153.Routh, Ong U. (2016). *Matrix algorithms in MATLAB*. Amsterdam: Elsevier.
681.3.06M ROU-M 170156 | CL
- 154.Rumpf, Raymond C. (2022). *Electromagnetic and photonic simulation for the beginner: finite-difference frequency - domain in MATLAB*. Boston: Artech House.
537.8:681.3.06M RUM-E 177268 | CL
- 155.Russell, Kevin, Shen, Qiong and Sodhi, Raj S. (2016). *Kinematics and dynamics of mechanical systems: implementation in MATLAB and SimMechanics*. Boca Raton: CRC Press.
531.1:681.3.06M RUS-K 168013 | CL
- 156.Russell, Kevin, Shen, Qiong and Sodhi, Raj S. (2019). *Kinematics and dynamics of mechanical systems : implementation in MATLAB and SimMechanics (2nd ed.)*. Boca Raton: CRC Press.
531.1:681.3.06M RUS-K 172767-172768 | CL; ME
- 157.Russell, Kevin,Shen, John Q. &Sodhi, Raj (2023). *Kinematics and dynamics of mechanical systems:implementation in MATLAB and simecape multibody(3rd ed.)*. Boca Raton: CRC Press.
531.1:681.3.06M RUS-K 178985 | CL
- 158.Sa, Jaoquim P. Marques de (2007). *Applied statistics: using SPSS, STATISTICA, MATLAB and R*. Berlin: Springer.
519.2:681.3.06 SA-A 155189 | CL
- 159.Sadiku, Matthew N.O. (2009). *Numerical techniques in electromagnetics with MATLAB*. Boca Raton: Taylor & Francis.
621.37:681.3.06M SAD-N 157921 | CL
- 160.Sayood, Khalid (2007). *Learning programming using MATLAB*. California: Morgan & Claypool.
681.3.06M SAY-L 152849 | CL
- 161.Schiesser, William E. & Griffiths, Graham W. (2009). *Compendium of partial differential equation models: method of lines analysis with MATLAB*. Cambridge: Cambridge University

- Press.
517.95:681.3.06M SCH-C 155360 | CL
- 162.Schilling, Robert J. & Harris, Sandra L. (2000). *Applied numerical methods for engineers using MATLAB and C*. Pacific Grove: Thomson learning.
51:62:681.3 SCH-A G22488;145846 | CL; CSC
- 163.Schmerr, Lester W. (2021). *Advanced mechanics of solids: analytical and numerical solutions with MATLAB*. Cambridge: Cambridge University Press.
531M SCH-A 177212 | CL
- 164.Semmlow, John L. (2004). *Biosignal and biomedical image processing: MATLAB-based applications (with CD)*. New York: Marcel Dekker.
621.391.8:577.3 SEM-B 146236 | CL
- 165.Semmlow, John L. (2018). *Circuits, signals and systems for bioengineers: MATLAB based introduction*. London: Elsevier.
577.3:621.391 SEM-C 171767 | CL
- 166.Semmlow, John L. (2005). *Circuits, signals and systems for bioengineers: MATLAB based introduction*. Amsterdam: Elsevier.
577.3:621.391 SEM-C 146726 | CL
- 167.Sergios Theodoridis...(et al.) (2010). *Introduction to pattern recognition: a MATLAB approach*. Amsterdam: Elsevier.
681.3.06 -INT 158716-158717 | CL; MA
- 168.Shampine, L.F. (2003). *Solving ODEs with MATLAB*. Cambridge: Cambridge University Press.
517.91:681.3 SHA-S 144308 | CL
- 169.Shertukde, Hemchandra Madhusudan (2015). *Digital control applications: illustrated with MATLAB*. Boca Raton: CRC Press.
681.3.06M SHE-D 170444 | CL
- 170.Shertukde, Hemchandra Madhusudan (2019). *Power systems analysis illustrated with MATLAB® and ETAP®*. Boca Raton: CRC Press.
621.311.011.7 SHE-P 173702 | CL
- 171.Siciliano, Antonio (2008). *MATLAB: data analysis and visualization*. Singapore: World Scientific.
681.3.06M SIC-M 155923 | TB
- 172.Sivanandam, S.N., Sumathi, S. & Deepa, S.N. (2007). *Introduction to fuzzy logic using MATLAB*. Berlin: Springer.
DCSE 681.3.06M:519 SIV-I 149019 | CSE
- 173.Soumekh, Mehrdad (1999). *Synthetic aperture radar signal processing with MATLAB algorithms*. New York: John Wiley.
621.391.81:51 SOU-S 139321 | CL

174. Spiegel, Colleen (2008). *PEM fuel cell modeling and simulation using MATLAB*. Amsterdam: Academic Press.
621.352:6:681.3M SPI-P 152407 | CL
175. Spiegel, Colleen (2008). *PEM fuel cell modeling and simulation using MATLAB*. Amsterdam: Elsevier.
621.352:681.3M SPI-P 153543 | CHE
176. Sumathi, S., Ashok Kumar, L. & Surekha, P. (2015). *Solar PV and wind energy conversion systems: an introduction to theory, modeling with MATLAB/Simulink, and the role of soft computing techniques*. Heidelberg: Springer.
502.21:523.9 SUM-S 167577 | CL
177. Suresh, Krishnan (2021). *Design optimization using MATLAB and Solidworks*. Cambridge: Cambridge University.
519.863M SUR-D 178908 | CL
178. Swanson, David C. (2012). *Signal processing for intelligent sensor systems with MATLAB*. Boca Raton: CRC Press.
621.391:681.3 SWA-S 161743 | CL
179. Tamalika, Chaira & Ray, Ajoy Kumar (2010). *Fuzzy image processing and applications with MATLAB*. Boca Raton: Taylor & Francis.
681.327.57 CHA-F 157391 | CL
180. Tewari, Ashish (2007). *Atmospheric and space flight dynamics: modeling and simulation with MATLAB and Simulink*. Boston: Birkhauser.
629.78 TEW-A 161495 | CL
181. Tewari, Ashish (2003). *Modern control design: with MATLAB and SIMULINK*. Singapore: John Wiley.
621-52 TEW-M 143695 | CL
182. Thyagarajan, K.S. (2019). *Introduction to digital signal processing using MATLAB with application to digital communications*. Switzerland: Springer.
621.391:681.3.06M THY-I 173936 | CL
183. Tobin, Stephen M. (2011). *DC servos: application and design with MATLAB*. Boca Raton: Taylor & Francis.
621-52:681.3M TOB-D 163418 | CL
184. Trauth, Martin H. (2006). *MATLAB recipes for earth sciences*. Berlin: Springer.
55:681.3.06M TRA-M 149211 | CL
185. Trauth, Martin H. (2015). *MATLAB recipes for earth sciences*. (4th ed.). Heidelberg: Springer.
55:681.3.06M TRA-M 168212-168213 | CL; CAS
186. Trauth, Martin H. & Sillmann, Elisabeth (2013). *MATLAB and design recipes for earth sciences*. New York: Springer.
681.3:004.4MAT TRA-M 167463-167464 | CL; CAS

187. Turk, Irfan (2019). *Practical MATLAB*. New York: Apress.
681.3.06M TUR-P 174088 | CL
188. Umbaugh, Scott E (2018). *Digital image processing and analysis: applications with MATLAB and CVIP tools*. Boca Raton: CRC Press.
681.327.57.06M UMB-D 171686 | CL
189. Venkataraman, P. (2009). *Applied optimization with MATLAB programming*. (2nd ed.) New York: John Wiley.
519.28 VEN-A 157179; 156832 | CL; AM
190. Venkataraman, P. (2002). *Applied optimization with MATLAB programming*. New York: John Wiley.
519.28 VEN-A 141518 | TB
191. Vinod Kumar...(et al.) (2020). *Power electronics, drives, and advanced applications*. Boca Raton: CRC Press.
621.315.592 -POW 177500-177501 | CL; CART
192. Vistnes, Arnt Inge (2018). *Physics of oscillations and waves: with use of MATLAB and Python*. Cham: Springer.
532.59:681.3.06 VIS-P 175087 | CL
193. W. de Silva, Clarence (Eds.) (2007). *Computer techniques in vibration*. Boca Raton: Taylor & Francis.
621-752:681.3.06M -COM 150513 | CL
194. Wang, Liuping (2009). *Model predictive control system design and implementation using MATLAB*. London: Springer.
681.513.54 WAN-M 155362; 157914 | CL; EE
195. Wartak, Marek S. (2013). *Computational photonics: an introduction with MATLAB*. Cambridge: Cambridge University Press.
621.382 WAR-C 163849; 165103 | CL
196. Welch, Thad B., Wright, Cameron H.G. & Morrow, Michael G. (2006). *Real time digital signal processing: from MATLAB to 'C' with the TMS320C6x DSK*. New York: Taylor & Francis.
EE 621.391.81 WEL-R 148566 | EE
197. Welch, Thad B., Wright, Cameron H.G. & Morrow, Michael G. (2017). *Real-time digital signal processing: from MATLAB to 'C' with the TMS320C6x DSPs*. (3rd ed.). Boca Raton: CRC Press.
621.391.81 WEL-R 170201 | CL
198. White, Robert E. (2023). *Computational linear algebra: with applications and MATLAB® computations*. Boca Raton: CRC Press.
512.64:004.438M WHI-C 179049 | CL

199. William H. Hayt... (et al.) (2020). *Engineering circuit analysis*. Chennai: McGraw Hill India.
621.3.049 -ENG 177334-177335 | TB
200. Xue, Dingyu & Chen, YangQuan (2016). *Scientific computing with MATLAB*. Boca Raton: CRC Press.
681.3.06M XUE-S 169536 | CL
201. Xue, Dingyu, Chen, YangQuan & Atherton, Derek P. (2007). *Linear feedback control: analysis and design with MATLAB*. Philadelphia: SIAM.
517.977.1:681.3M XUE-L 152335 | CHE
202. Yang, Won Y & Seung C. Lee (2007). *Circuit systems with MATLAB and Pspice*. Singapore: John Wiley (Asia).
621.38:681.3M YAN-C 152458 | CL
203. Yang, Won Y... (et.al.) (2018). *Engineering mathematics with MATLAB*. Boca Raton: CRC Press.
517:681.3.06M -ENG 171535-171536 | CL; CSE
204. Yeo, Yeong Koo (2018). *Chemical engineering computation with MATLAB*. Boca Raton: CRC Press.
66.0:681.3.06M YEO-C 171789 | CL
205. Yong Soo Cho...(et al.) (2010). *MIMO-OFDM wireless communications with MATLAB*. Chichester: John Wiley.
621.391:681.3.06 -MIM 159045; 159498 | CL;EE
206. Zarrinkoub, Houman (2014). *Understanding LTE with MATLAB: from mathematical modeling to simulation and prototyping*. West Sussex: John Wiley.
621.395.721.5 ZAR-U 166031-166032 | CL; EE
207. Zhang, Yaping & Poon, Ting-Chung (2023). *Modern information optics with MATLAB*. Cambridge: Cambridge University Press.
621.391:004 178489; 178620 | CL;OPC

Updated by Central Library

On 04 April 2024