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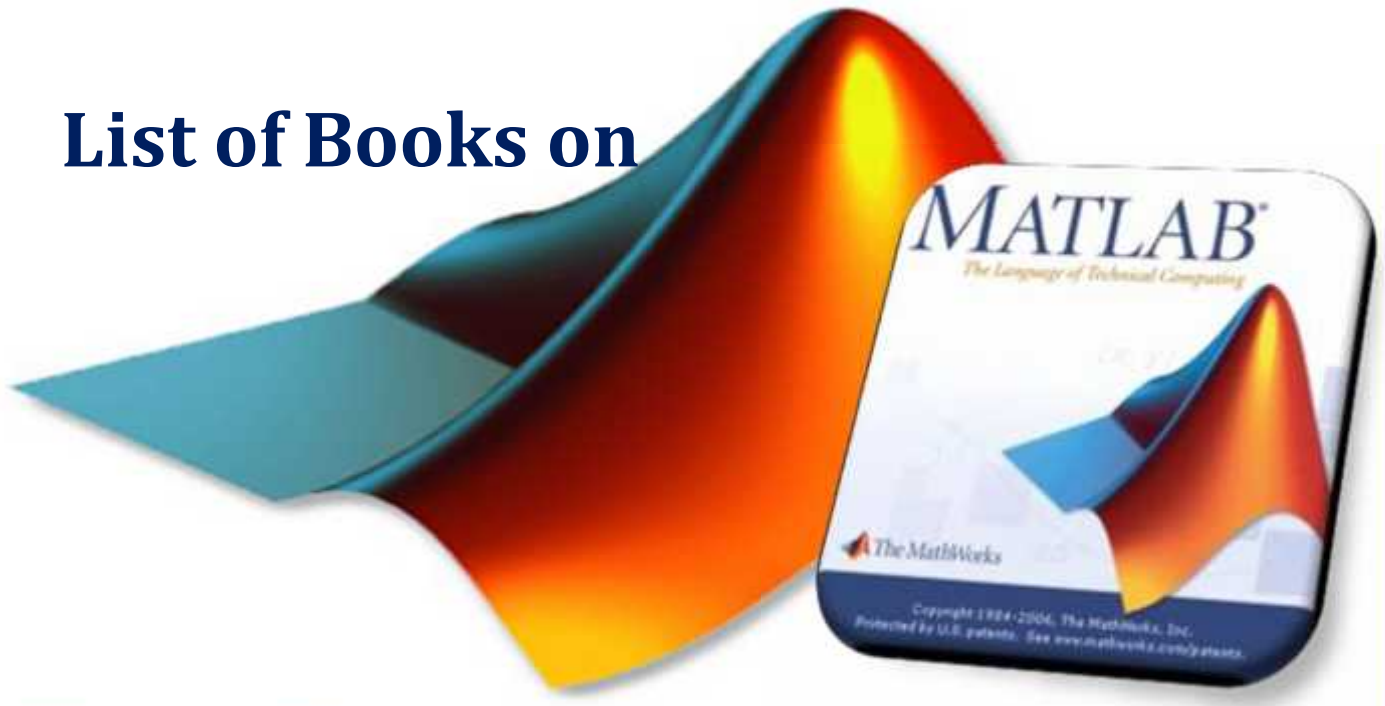

MATLAB

The Language of Technical Computing

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1. Alkin, O. (2014). *Signals and systems: a MATLAB integrated approach*. Boca Raton: CRC Press,Taylor & Francis Group.
   621.3822028553 ALK 019457

2. Attia, J. O. (2002). *PSPICE and MATLAB for electronics: an integrated approach*. Boca Raton, FL: CRC Press.
   621.33950285 ATT 004105

3. Bansal, R. K., Goel, A. K., & Sharma. (2008). *MATLAB and its applications in engineering (based on MATLAB 7.5 (R2007b))*. Delhi: Dorling Kindersley (India).
   620.00151 BAN 004969

4. Barnes, B. (2009). *Mathematical modelling with case studies: a differential equations approach using Maple and MATLAB* (2nd ed.). Boca Raton: CRC Press.
   515.35015118 BAR 003842

5. Binh, L. N. (2010). *Optical fiber communications systems: theory and practice with MATLAB and Simulink models*. Boca Raton, FL: CRC Press/Taylor & Francis.
   621.38275 BIN 010354

6. Binh, L. N. (2012). *Guided wave photonics: fundamentals and applications with MATLAB*. Boca Raton, FL: CRC Press.
   621.36 BIN 010603

7. Bober, W. (2009). *Numerical and analytical methods with MATLAB*. Boca Raton: CRC Press.
   518.0285 BOB 009793

8. Boldea, I. (2010). *Electric machines: steady state, transients, and design with MATLAB*. Boca Raton: CRC Press.
   621.31042 BOL 012341

9. Brandimarte, P. (2006). *Numerical methods in finance and economics: a MATLAB-based introduction* (2nd ed.). Hoboken, N.J: Wiley Interscience.
   602.0151 BRA 003185

10. Brown, R. G., & Hwang, P. Y. C. (2012). *Introduction to random signals and applied Kalman filtering: with MATLAB exercises* (4th ed). Hoboken, NJ: John Wiley.
    621.3822 BRO 020542

11. Chaparro, L. F. (2011). *Signals and Systems using MATLAB*. New York: Academic Press.
    621.3822 CHA 016220- 016221

12. Chapman, S. J. (2004). *MATLAB programming for engineers*. New Delhi: Cengage Learning.
    519.40285 CHA 002421

13. Chapra, S. C. (2008). *Applied numerical methods with MATLAB: for engineers and scientists*. New Delhi: Tata McGraw Hill Education.
518.63 CHA 005784

14. Chow, J. H. (2003). *Discrete-Time Control Problems Using MATLAB*. New Delhi: Book Cole.
629.83 CHO 002312

15. Coleman, M. P. (2005). *An introduction to partial differential equations with MATLAB*. Boca Raton, Fla: CRC Press.
515.353 COL 009473

16. Corinthios, M. (2009). *Signals, systems, transforms, and digital signal processing with MATLAB*. Boca Raton: CRC Press.
621.3822 COR 003705

17. Corke, P. I. (2011). *Robotics, vision and control: fundamental algorithms in MATLAB*. Berlin: Springer.
629.892 COR 016118

18. Davis, T. A., & Sigmon, K. (2005). *MATLAB® primer*. Boca Raton: Chapman & Hall/CRC.
518.0285 DAV 003940-003941

19. Dechaumphai, P. (2011). *Numerical methods in engineering, theories with MATLAB, Fortran, C and Pascal programs*. Narosa Publishing House.
5180285 DEC 016523

20. Demirkaya, O., Asyali, M. H., & Sahoo, P. (2009). *Image processing with MATLAB: applications in medicine and biology*. Boca Raton: CRC Press.
621.3670285 DEM 018483

21. Dianat, S. A. (2009). *Advanced linear algebra for engineers with MATLAB*. Boca Raton, FL: CRC Press.
620.00151 DIA 009197

22. Djaferis, T. E. (2008). *Automatic control : the power of feedback using MATLAB*. New Delhi: Cengage Learning.
629.83 DJA 002260

23. Duffy, D. G. (2010). *Advanced engineering mathematics with MATLAB* (3rd ed.). Boca Raton: CRC Press.
620.00151 DUF 009522

24. Elali, T. S. (2004). *Discrete systems and digital signal processing with MATLAB*. Boca Raton: CRC Press.
621.3822 EIA 004083- 004084

25. Etter, D. M. (2005). *Introduction to MATLAB 7*. New Delhi: Pearson Education.
620.00161 ETT 005106 & 004963

26. Fasshauer, G. E. (2007). *Meshfree approximation methods with MATLAB*. Singapore; Hackensack, N.J: World Scientific.
531 FAS 011680 & C00598

27. Fausett, L. V. (2011). *Applied numerical analysis using MATLAB*. New Delhi: Pearson.
518 FAU 005420

28. Gilat, A. (2010a). *Matlab: an introduction with applications*. New Delhi: Wiley-India.
518.0285 GIL 001088

29. Giurgiutiu, V. (2009). *Micromechatronics: modeling, analysis, and design with MATLAB* (2nd ed.). Boca Raton: CRC Press.
621 GIU 003695

30. Gonzalez, R. C., Woods, R. E., & Eddins, S. L. (2010). *Digital Image processing using MATLAB (2nd ed)*. New Delhi: Tata McGraw Hill.
621.3822 GON 013442-013443

31. Gonzalez, R. C. (2004). *Digital Image processing using MATLAB*. New Delhi: Pearson Education.
621.38822 GON 005278 & 005584

32. Grigoryan, A. M. (2009). *Brief notes in advanced DSP: Fourier analysis with MATLAB*. Boca Raton: CRC Press.
621.3822 GRI 003712

33. Hanselman, D. C., & Littlefield, B. (2005). *Mastering MATLAB 7*. New Delhi: Pearson Education.
519.402855305182 HAN 005123

34. Hunt, B. R., Lipsman, & Rosenberg, J. (2005). *A guide to MATLAB: for beginners and experienced users*. Cambridge: Cambridge University Press.
519.4028553042 HUN 001995

35. Ingle, V. k. (2008). *Digital signal processing: a MATLAB based approach*. New Delhi: Cengage Learning.
621.3822 ING 002305

36. Johnson, R. K. (2011). *The elements of MATLAB style*. New York: Cambridge University Press.
518 JOH 013410

37. Kalechman, M. (2008). *Practical MATLAB applications for engineers*. Boca Raton: CRC Press.
620.00151 KAL 009710-009711

38. Kalluri, D. K. (2012). *Electromagnetic waves, materials, and computation with MATLAB*. Boca Raton, FL: CRC Press.
537.028553 KAL 016970

39. Kay, S. M. (2006). *Intuitive probability and random processes using MATLAB*. New York: Springer.
519.20113KAY 015419, 021808

40. Kiusalaas, J. (2005). *Numerical methods in engineering with MATLAB*. New York: Cambridge University Press.
620.001518 KIU 001992

41. Kwon, R. H. (2014). *Introduction to linear optimization and extensions with MATLAB®*. Boca Raton, Fla: CRC Press.
519.72 KWO 017121

42. Kwon, Y. W. (2000). *The finite element method using MATLAB* (2nd ed.). Boca Raton, FL: CRC Press.
620.00151535 KWO 009475

43. Law, V. J. (2013). *Numerical methods for chemical engineers using Excel, VBA, and MATLAB*. Boca Raton: CRC Press, Taylor & Francis Group.
660.0212 LAW 014959

44. Li, J. (2009). *Computational partial differential equations using MATLAB*. Boca Raton: CRC Press.
518.64 LIJ 009525

45. Lonngren, K. E. (2009). *Fundamentals of electromagnetics with MATLAB*. New Delhi: PHI Learning.
537 LON 006452 & C00396

46. Lurie, B. J. (2012). *Classical feedback control with MATLAB and Simulink* (2nd ed.). Boca Raton: CRC Press.
629.83028553 LUR 013924

47. Magrab, E. B. (2011). *An engineer's guide to MATLAB: with applications from mechanical, aerospace, electrical, civil, and biological systems engineering* (3rd ed.). N.J: Prentice Hall.
620.00151 MAG 009000

48. Mahafza, B. R. (2013). *Radar systems analysis and design using MATLAB*. Boca Raton, FL: CRC Press.
621.3848 MAH 014964

49. Marques, O. (2011). *Practical image and video processing using MATLAB*. Hoboken, N.J: Wiley/IEEE Press.
502.8566 MAR 014215

50. Martinez, W. L. (2008). *Computational statistics handbook with MATLAB* (2nd ed.). Boca Raton: CRC press.
519.50285 MAR 009526

51. Martinez, W. L. (2011). *Exploratory data analysis with MATLAB* (2nd ed.). Boca Raton, Fla: CRC Press.
519.535 MAR 013709

52. Mathews, J. H. (2004). *Numerical methods using MATLAB*. New Delhi: Prentice Hall of India.
518 MAT 003802-003806 & 006741

53. Milic, L. (2009). *Multirate filtering for digital signal processing: MATLAB applications*. Hershey, PA: Information Science Reference.
621.3822 MIL 018153

54. Pascal W. [et. al…] (2009). *MATLAB for neuroscientists: an introduction to scientific computing in MATLAB*. Amsterdam; Boston: Elsevier/Academic Press.
612.80285 MAT 012977

55. McBain, G. D. (2012). *Theory of lift: introductory computational aerodynamics with MATLAB/OCTAVE*. Hoboken, NJ: Wiley.
629.13233028553 MCB 013830

56. Ozdemir, C. (2012). *Inverse synthetic aperture radar imaging with MATLAB*. Hoboken, NJ: Wiley.
621.38485 OZD 021868

57. Polking, J. C., & Arnold, D. (2009). *Ordinary differential equations using MATLAB*. New Delhi: Pearson/Prentice Hall.
515.352 POL 005461

58. Poularikas, A. D. (2009). *Discrete random signal processing and filtering primer with MATLAB*. Boca Raton: CRC Press/Taylor & Francis.
621.3822 POU 019221

59. Poularikas, A. D. (2010). *Transforms and applications primer for engineers with examples and MATLAB*. Boca Raton, FL: CRC Press.
621.3822 POU 009795

60. Poularikas, A. D. (2014). *Adaptive filtering: fundamentals of least mean squares with MATLAB*. Boca Raton: CRC Press/Taylor & Francis Group.
621.3822 POU 020657

61. Pratap, R. (2006). *Getting started with MATLAB 7: a quick introduction for scientists and engineers*. New York: Oxford University Press.
502.85 PRA 001645- 001649

62. Proakis, J. G. (2004). *Contemporary communication systems using MATLAB*. New Delhi: Book Cole.
621.382 PRO 002283

63. Qidwai, U. & Chen, C. H.(2010). *Digital image processing: an algorithmic approach with MATLAB*. Boca Raton: CRC Press.
621.3670285QID 014216

64. Qin, Q. H. (2009). *MATLAB and C programming for Trefftz finite element methods*. Boca Raton: CRC Press.
518.250285 QIN 003704 & C00226

65. Quarteroni, A. (2010a). *Scientific computing with MATLAB and Octave* (3rd ed.). New York: Springer.
502.8553 QUA 007151 & 007405-007412

66. Rajasekaran, S. (2009). *Structural dynamics of earthquake engineering: theory and application using MATHEMATICA and MATLAB*. Boca Raton: CRC Press.
624.1762 RAJ 007957

67. Rao, R. M., & Bopardikar, A. S. (1998). *Wavelet transforms: introduction to theory and applications*. New Delhi: Pearson.
515.2433 RAO 005330 & C00342

68. Raol, J. R. (2010). *Multi-sensor data fusion with MATLAB*. Boca Raton: CRC Press.
681.2 RAO 009397

69. Rosenbaum, D. A. (2007). *MATLAB for behavioral scientists*. London: Lawrence Erlbaum Associates.
150.2855133 ROS 013918

70. Schiesser, W. E. (2009). *A compendium of partial differential equation models: method of lines analysis with MATLAB*. New York: Cambridge University Press.
515.353 SCH 004293

71. Schiesser, W. E. (2013). *Partial differential equation analysis in biomedical engineering: case studies with MATLAB*. Cambridge: Cambridge University Press.
610.28 SCH 014301

72. Schilling,, R. J. (2005). *Fundamentals of digital signal processing Using MATLAB*. New Delhi: Cengage Learning.
621.3822028 SCH 002358-002359 & C00150

73. Shaffer, R. A. (2008). *Fundamentals of power electronics with MATLAB*. New Delhi: Cengage Learning.
621.317 SHA 003943 & C00235

74. Siciliano, A. (2008). *MATLAB: data analysis and visualization*. New Jersey: World Scientific.
518.0285 SIC 011237

75. Singh, Y. K., & Chaudhuri, B. B. (2007a). *MATLAB programming*. New Delhi: Prentice-Hall of India.
005.133 SIN 0033056& 006665

76. Stanley, W. D. (2008). *Technical Analysis and Applications with MATLAB*. New Delhi: Cengage Learning.
518.0285536 STA 002539

77. Stearns, S. D. (2011). *Digital signal processing with examples in MATLAB* (2nd ed.). Boca Raton: CRC Press.
621.382 STE 008805

78. Theodoridis, S., & Theodoridis, S. (Eds.). (2010). *Introduction to pattern recognition: a MATLAB approach*. Burlington, MA: Academic Press.
006.4 INT 016936

79. Trefethen, L. N. (2000). *Spectral methods in MATLAB*. Philadelphia: Society for Industrial and Applied Mathematics (SIAM).
515.7222 TRE 009560

80. Van Loan, C. F. (2000). *Introduction to scientific computing: a matrix-vector approach using MATLAB*. Upper Saddle River, NJ: Prentice Hall.
510.28553 LOA 016901

81. Wartak, M. S. (2013). *Computational photonics: an introduction with MATLAB*. Cambridge, UK: Cambridge University Press.
621.38152 WAR 015369

82. Welch, T. B. (2012). *Real-time digital signal processing from MATLAB to C with the TMS320C6x DSPs* (2nd ed.). Boca Raton: CRC Press/Taylor & Francis Group.
621.3822 WEL 013314 & C00630

83. Xue, D. (2009). *Solving applied mathematical problems with MATLAB*. Boca Raton: CRC Press.
5102855133 XUE 003708

84. Yakimenko, O. A. (2011). *Engineering computations and modeling in MATLAB*. New York: American Institute of Aeronautics and Astronautics.
620.00285 YAK 009119

85. Yang, W. (2009). *Signals and systems with M ATLAB*. New York: Springer.
621.3822 SIG 002210

86. Yang, W. Y. (2005). *Applied numerical methods using MATLAB*. New Delhi: Wiley India.
518 YAN 001012, 001644 & 003733- 003735

87. Yaroslavsky, L. P. (2013). *Theoretical foundations of digital imaging using MATLAB*. Boca Raton, FL: CRC Press, Taylor & Franacis Group.
006.6 YAR 016822

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