

1. Haviv, Moshe,
512.5 HAR3 Linear algebra for data science / Moshe Haviv.. - Haviv, Mosche.
14608 xii, 244 pages :
Vector algebra -- Linear independence and linear subspaces -- Orthonormal bases and the Gram-Schmidt process -- Linear functions -- Matrices and matrix operations -- Invertible matrices and the inverse matrix -- The pseudo-inverse matrix, projections and regression -- Determinants -- Eigensystems and diagonalizability -- Systematic matrices -- Singular value decomposition (SVD) -- Stochastic matrices -- Solutions to exercises.
ISBN : 9789811276224.
1. Algebras, Linear. 2. Big data 3. Mathematical statistics. I. Title

(Shelf)
2. Maad Sasane, Sara, 1971-
515.9 MAR4 A friendly approach to complex analysis / Sara Maad Sasane, Amol Sasane.. - Second edition. ed.. -
14609 New Jersey: World Scientific, 2024.
iv, 212p.
ISBN : 9789811272806. .-ISBN : 9789811274107.
1. Functions of complex variables. 2. Numbers, Complex. I. Sasane, A. II. Title

(Shelf)
3. Hsu, Sze-Bi, 1948-
515.352 HSR2 Ordinary differential equations with applications / Sze-Bi Hsu, Kuo-Chang Chen. - Third edition. ed.. -
14610 New Jersey: World Scientific, 2022.
xv, 361p.
ISBN : 9789811250743.
1. Differential equations. I. Chen, Guozhan, II. Title

(Shelf)
4. Bellantoni, Leo,
530 BER2 Modern physics: the scenic route / Leo Bellantoni,. - New Jersey: World Scientific, 2022.
14611 xiii, 190p.
Includes index.
ISBN : 9789811242205. .-ISBN : 9789811243172.
1. Physics. I. Title

(Shelf)
5. Carlier, Guillaume,
519.6 CAR2 Classical and modern optimization / Guillaume Carlier. - New Jersey: World Scientific, 2022.
14612 Topological and functional analytic preliminaries -- Differential calculus -- Convexity -- Optimality conditions for differentiable optimization -- Problems depending on a parameter -- Convex duality and applications -- Iterative methods for convex minimization -- When optimization and data meet -- An invitation to the calculus of variations.
ISBN : 9781800610668. .-ISBN : 9781800610675.
1. Mathematical optimization. I. Title

(Shelf)

6. Luther, Kenneth H.,

515 LUR3

Casual calculus: a friendly student companion / Kenneth H. Luther.

14613 ,14614
,14615

3 volumes :

Includes index.

ISBN : 9789811242632. .-ISBN : 9789811242649 .-ISBN : 9789811223921 .-ISBN : 9789811224881 .-
ISBN : 9789811241970 .-ISBN : 9789811241987 .-ISBN : 9789811223952 .-ISBN : 9789811224898.

1. Calculus. I. Title

(Shelf)-vol 1; (Shelf)-vol 2; (Shelf)-vol 3

7. Luther, Kenneth H.,

515 LUR3

Casual calculus: a friendly student companion / Kenneth H. Luther.

14613 ,14614
,14615

3 volumes :

Includes index.

ISBN : 9789811242632. .-ISBN : 9789811242649 .-ISBN : 9789811223921 .-ISBN : 9789811224881 .-
ISBN : 9789811241970 .-ISBN : 9789811241987 .-ISBN : 9789811223952 .-ISBN : 9789811224898.

1. Calculus. I. Title

(Shelf)-vol 1; (Shelf)-vol 2; (Shelf)-vol 3

8. Luther, Kenneth H.,

515 LUR3

Casual calculus: a friendly student companion / Kenneth H. Luther.

14613 ,14614
,14615

3 volumes :

Includes index.

ISBN : 9789811242632. .-ISBN : 9789811242649 .-ISBN : 9789811223921 .-ISBN : 9789811224881 .-
ISBN : 9789811241970 .-ISBN : 9789811241987 .-ISBN : 9789811223952 .-ISBN : 9789811224898.

1. Calculus. I. Title

(Shelf)-vol 1; (Shelf)-vol 2; (Shelf)-vol 3

9. Ostlie, Dale A.,

523 OSR2

Astronomy: the human quest for understanding / Dale A. Ostlie.. - UK: OUP, 2022.

14616

xxiii, 886p.

ISBN : 9780198825821. .-ISBN : 9780198825838.

1. Astronomy. I. Title

(Shelf)

10. Budker, Dmirty,

530 BUQ5

Physics on your feet: Berkeley graduate exam questions: or ninety minutes of shame but a phd for the
rest of your life / Dmirty Budker, Alexander O. Sushkov.. - 2nd ed.. - UK: OUP, 2015.

14617

xiii, 265p.

ISBN : 9780198842378. .-ISBN : 9780198842361.

1. Physics. I. Sushkov, Alexander O., II. Title

(Shelf)

11. Linge, Svein

005.133 LIR0

Programming for computations- python / by Svein Linge and Hans Petter Langtangen. - 2nd ed.. -
Switzerland: Springer, 2020.

14628

xxiii, 321p.

ISBN : 9783030168766.

1. Programming language 2. Python. I. Title

(Shelf)

12. Wang, Jay

- 530.15 WAR3 Introduction to computation in physical sciences: : interactive computing and visualization with Python /
14629 by Jay Wang and Adam Wang. - Switzerland: Springer, 2023.
xv, 255p.
ISBN : 9783031176456.
1. Computation in physical sciences. I. Title

(Shelf)

13. Mochrie, Simon

- 572 MOR3 MOR3 Introductory physics for the life sciences / by Simon Mochrie and Claudia De Grandi. - Switzerland:
14630 Springer, 2023.
xxiv, 847p.
ISBN : 9783031058073.
1. Physics for life sciences. I. Title

(Shelf)

14. Adler, Ronald J

- 523 ADR2 General relativity and cosmology: : a first encounter / by Ronald J Adler. - Switzerland: Springer, 2022.
14631 xiv, 313p.
ISBN : 9783030615734.
1. Relativity and cosmology. I. Title

(Shelf)

15. Jetzer, Philippe

- 530.11 JER2 Applications of general relativity with problems / by Philippe Jetzer. - Switzerland: Springer, 2022.
14632 xiii, 195p.
ISBN : 9783030957179.
1. General relativity. I. Title

(Shelf)

16. Dhurandhar, Sanjeev

- 530.11 DHR2 General relativity and gravitational waves / by Sanjeev Dhurandhar and Sanjit Mitra. - Switzerland:
14633 Springer, 2022.
xiv, 207p.
ISBN : 9783030923341.
1. General relativity. I. Title

(Shelf)

17. Dilao, Rui

- 515.352 DIR3 Dynamical system and chaos: : an introduction with applications / by Rui Dilao. - Switzerland: Springer,
14634 2023.
ix, 326p.
ISBN : 9783031251535.
1. Dynamical system. I. Title

(Shelf)

18. Parson, William W
535.4 PAR4 Modern optical spectroscopy: : from fundamentals to applications in chemistry, biochemistry, and
14635 biophysics / by William W Parson. - 3rd ed. - Switzerland: Springer, 2024.
xii, 650p.
ISBN : 9783031172212.
1. Optical spectroscopy. I. Title

(Shelf)
19. Reddappa, Sainath
790 RER4 Indian coinage: British India-Portuguese India Republic India (1835-2024) / by Sainath Reddappa. -
14636 India: Reddappa Publication, 2024.
xiii, 369p.
ISBN : 9789334072426.
1. Indian coinage. I. Title

(Shelf)
20. Horwitz, L. P., 1930-
531.11 HOR3 Concepts in relativistic dynamics / by Lawrence Horwitz.. - New Jersey: World Scientific,.
14637 xi, 219p.
Introduction -- Classical relativistic dynamics -- Quantum relativistic dynamics -- Spin in relativistic
quantum theory -- The two body problem : bound states -- Relativistic scattering theory and resonances -
- Guage fields for relativistic mechanics -- Relativistic classical and quantum statistical mechanics.
ISBN : 9789811207310.
1. Particles (Nuclear physics) 2. Particules (Physique nucléaire) 3. particle physics. 4. Particles (Nuclear
physics). I. Title

(Shelf)
21. Wiggins, Stephen,
531 WIR3 Elementary classical mechanics / Stephen Wiggins, University of Bristol, UK.. - New Jersey: World
14639 Scientific, 2023.
xix, 132p.
ISBN : 9789811277450. .-ISBN : 9789811279249.
1. Mechanics. I. Title

(Shelf)
22. Hsu, J. P.
530.1435 HSR4 General Yang-Mills symmetry: from quark confinement to an antimatter half-universe / Jong-Ping Hsu,
14640 Leonardo Hsu.
xxx, 218p.
ISBN : 9789811222900. .-ISBN : 9811222908.
1. Yang-Mills theory. 2. Symmetry (Physics) 3. Théorie de Yang-Mills. 4. Symétrie (Physique). I. Hsu,
Leon, II. Title

(Shelf)

23. Panasenko, Grigory,
511.8 PAR2 Introduction to multiscale mathematical modeling / Grigory Panasenko, Vilnius University, Lithuania.. -
14641 Singapore: World Scientific, 2022.
xi, 158p.
ISBN : 9781800612310.
1. Multiscale modeling. 2. Mathematical models. I. Title

(Shelf)
24. Moshayedi, Nima,
519.2 MOR2 Introduction to probability theory: a first course on the measure-theoretic approach / Nima Moshayedi.
14642 xiv, 277p.
ISBN : 9789811246746.
1. Probabilities. I. Title

(Shelf)
25. Davis, Basil S.,
530.141 DAR3 Understanding the electromagnetic field / Basil S Davis. - Singapore: World Scientific, 2023.
14643 xvii, 385p.
ISBN : 9789811274817. .-ISBN : 9789811275364.
1. Electromagnetic fields. I. Title

(Shelf)