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01. Ashley, H.  
Aerodynamics of wings and bodies.  
New York: Dover Publications, Inc, 1985.  
vii, 279p.  
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***Applied Fluid Mechanics***

02. Date, A. W.  
Introduction to computational fluid dynamics.  
Cambridge: Cambridge University Press, 2005.  
xx, 377p.  
ISBN 9780521853262.  
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03. Oertel, H. *Ed.*  
Prandtl's essentials of fluid mechanics. 2e.  
New York: Springer, 2003.  
xii, 723p.  
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***Engineering Mechanics***

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Creep mechanics. 3e.  
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xvi, 367p.+ CDROM. ().  
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***Explosives***

05. Kedrinskii, V. K.  
Hydrodynamics of explosion: Experiments and models.  
Berlin: Springer, 2005.  
xii, 362p.  
ISBN 9783540224815.  
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***Finite Particle Technology***

06. Revuzhenko, A. F.  
Mechanics of granular media.  
New York: Springer, 2006.  
ix, 308p.  
ISBN 9783540338710.  
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07. Oppenheim, A. K.  
Dynamics of combustion systems.  
New York: Springer, 2006.  
xvii, 359p.  
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08. Hesketh, P. J.  
Bionanofluidic MEMS.  
New York: Springer, 2008.  
x, 295p.  
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09. Zvelindovsky, A. V. *Ed.*  
Nanostructured soft matter: Experiment, theory, simulation and prospectives.  
New York: Springer, 2007.  
xii, 628p. (Nanoscience and Technology).  
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10. Weinberg, S.  
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xvii, 593p.  
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11. Yan, S. Y.  
Primality testing and integer factorization in public key cryptography.  
Boston: Kluwer Academic Press, 2004.  
xvi, 236p.  
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**Data Security**

12. Stallings, W.  
Cryptography and network security: Principles and practice.  
Noida: Pearson, 2014.  
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**Multiprocessing**

13. Fountain, T. J.  
Parallel computing: Principles and practice.  
New York: Cambridge University Press, 1994.  
xii, 346p.  
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**Quantum Computing**

14. Brooks, M. Eds.  
Quantum computing and communications.  
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15. Koch, E. *Ed.*  
The Mughal empire from Jahangir to Sahajahan: Art, architecture, politics, law  
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Mumbai: The Marg Foundation, 2019.  
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16. Schlick, T.  
Molecular modeling and simulation: An interdeciplinary guide. 2e.  
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xlv, 723p.  
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**Genetics**

17. Kreuzer, H.  
Molecular biology and biotechnology: A guide for students. 3e.  
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18. Bates, A. D.  
DNA topology.  
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19. Zhao, X.  
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20. Stichtenoth, H.  
Algebraic function fields and codes.  
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21. Hungerford, T. W.  
Algebra.  
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Computer algebra in scientific computing: CASC 2000.  
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Algorithms in algebraic geometry.  
New York: Springer, 2008.  
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24. Koblitz, N.  
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Berlin: Springer, 2014.  
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25. Demazure, M.  
Bifurcations and catastrophes: Geometry of solutions to nonlinear problems.  
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***Group theory***

27. Myasnikov, A.  
Group based cryptography.  
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28. Drmota, M.  
Random trees: An interplay between combinatorics and probability.  
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ix, 400p. (Texts in Theoretical Computer Science - An EATCS Series).  
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***Mathematician - Neal Koblitz - Autobiography***

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Random curves: Journeys of a Mathematician.

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***Nonlinear Differential Equations***

32. Kubicek, M.  
Numerical solution of nonlinear boundary value problems with applications.  
New York: Dover Publications, 2008.  
viii, 323p.  
ISBN 9780486463001.  
Call No. *515.355 KUB*

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***Number Theory***

33. Koblitz, N.  
A course in number theory and cryptography.  
New York: Springer, 1994.  
x, 235p.  
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***Theory of Measure***

34. Halmos, P. R.  
Measure theory.  
New Delhi: Springer India Pvt Ltd, 1974.  
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**MEDICAL SCIENCES**

***Human Physiology - Brain***

35. Ding, M.  
The dynamic brain: An exploration of neuronal variability and its functional significance.  
Oxford: Oxford University Press, 2011.  
xviii, 374p.  
ISBN 9780195393798.  
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36. Tweed, D.  
Microcosms of the brain: What sensorimotor systems reveal about the mind.  
Oxford: Oxford University Press, 2003.  
199p.  
ISBN 9780198528937.  
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**PHYSICS**

***Fluid Mechanics***

37. Pletcher, R. H.  
Computational fluid mechanics and heat transfer. 3e.

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xx, 753p. (Series in Computational and Physical processes in Mechanics and Thermal sciences).  
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38. Versteeg, H.  
An introduction to computational fluid dynamics: The finite volume method. 2e.  
Chennai: Pearson, 2009.  
517p.  
ISBN 9788131720486.  
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***Hydrodynamics***

39. Chandrashekhar, S.  
Hydrodynamic and hydromagnetic stability.  
New York: Dover Publications, Inc, 1961.  
xix, 652p.  
ISBN 9780486640716.  
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40. Drazin, P. G.  
Introduction to hydrodynamic stability.  
New Delhi: Cambridge University Press, 2002.  
xvii, 258p. (Cambridge texts in Applied Mathematics).  
ISBN 9781316604939.  
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***Liquid Crystals***

41. Warner, M.  
Liquid crystal elastomers.  
Oxford: Oxford University Press, 2003.  
xiv, 407p.  
ISBN 9780199214860.  
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***Mathematical Physics***

42. Hassani, S.  
Mathematical methods: for students of physics and related fields.  
New York: Springer, 2000.  
xv, 659p.  
ISBN 9780387989587.  
Call No. *530.15 HAS* Acc. No. 13595

***Quantum Field Theory***

43. Shankar, R.  
Quantum field theory and condensed matter.  
New Delhi: Cambridge University Press, 2017.  
xi, 439p.  
ISBN 9781108454926.

Call No. *530.143 SHA*

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***Quantum Mechanics***

44. Sakurai, J. J.

Advanced Quantum Mechanics.

Noida: Pearson, 2006.

344p.

ISBN 9788177589160.

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45. Shankar, R.

Principles of quantum mechanics. 2e.

New Delhi: Springer, 1994.

xviii, 676p.

ISBN 9788181286864.

Call No. *530.12 SHA*

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***Quantum Physics***

46. Gamow, G.

Mr. Tompkins.

Cambridge: Cambridge University Press, 1993.

xvi, 185p.

ISBN 9781107604681.

Call No. *539 GAM*

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***Solid-state Physics***

47. Chaikin, P. M.

Principles of condensed matter physics.

New Delhi: Cambridge University Press, 1995.

xx, 699p.

ISBN 9788175960251.

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48. Royal Society of Chemistry.

Multiscale modelling of soft matter.

Netherlands: RSC Publishing, 2010.

489p. (Faraday Discussions 144).

ISBN 9781847550392.

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***Superconductivity***

49. Tinkham, M.

Introduction to superconductivity. 2e.

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