

**Astrophysics, Gravitation, Cosmology**

	<b>Title</b>	<b>Author/Editor</b>	<b>Year</b>
1	A Different Approach to Cosmology	F.Hoyle,G.Burbidge,J.V.Narlikar	2000
2	AIPS Cookbook	---	1994
3	An Introduction to Modern Cosmology	A. Liddle	2003
4	Astronomical Image and Data Analysis	J-L Starck, F Murtagh	2002
5	Background Independent Quantum Gravity	A. Ashtekar, J. Lewandowski	2004
6	Causal, Homogeneous, and Multidimensional Structures of Manifolds and Geometries Applied in Mathematical Cosmology	M. Rainer	2003
7	Cosmological Inflation and Large-Scale Structure	A. R. Liddle, D.H. Lyth	2000
8	Cosmological Physics	J. A. Peacock	1999
9	Cosmology, A very Short Introduction	P. Coles	2001
10	Cosmology and Particle Astrophysics	L. Bergström	2004
11	Dark Matter in the Universe	J.Bahcall, T.Piran, S. Weinberg	2004
12	Dynamic Astronomy	R. T. Dixon	1989
13	Dynamics of the standard Model	J.F. Donoghue, E. Golowich, B. R. Holstein	1994
14	Encyclopedia of the Solar System	Elsevier	2007
15	Fundamentals of Cosmology	J. Rich	2001
16	General Relativity	H. Stephani	1990
17	General Relativity	R. M. Wald	1984
18	General Relativity and Gravitation	M. Francaviglia, G. Longhi, L. Lusanna, E. Sorace	1997
19	Gravitation	C.W. Misner, K.S.Thorn, J.A.Wheeler	2003
20	Gravitation and Cosmology	S. Weinberg	1972
21	Gravitation and Cosmology, Proceedings of the Pacific Conf.	Y.M.Cho,C.H. Lee, S.W.Kim	1998
22	Gravitational Lenses	P. Schneider, J. Ehlers	1999
23	High Energy Cosmic Rays	T. Stanev	2004
24	Inhomogeneous Cosmological Models	A. Krasinski	1997
25	Large Scale Structure Formation	R. Mansouri R.Brandenberger	2000
26	Lectures on Non-Perturbative Canonical Gravity	A. Ashtekar	1991
27	Massive Neutrinos in Physics and Astrophysics	R. Mohapatra	1991
28	Massive Neutrinos in Physics and Astrophysics	R. Mohapatra	2004
29	Modern Cosmology	S. Dodelson	2003
30	New perspectives in Astrophysical Cosmology	M. Rees	2000
31	Noncommutative Geometry	A. Connes	1994
32	Particle Physics and Cosmology	P.D.B. Collins, A.D.Martin, E.J.Squires	1989
33	Particle Physics and Inflationary Cosmology 1	A. Linde	2005
34	Particle Physics, Astrophysics & Cosmology	J. Chan, L. DePorcel	1994
35	Quantum Gravity, Generalized Theory of Gravitation, and Superstring Theory-Based Unification	B. N. Kursunoglu	1999
36	Quantum Mechanics and Gravity	M. Sachs	2004
37	Relativistic Astrophysics, Vo.1	B. Zeldovich, I.D. Novikov	1971
38	Relativity, Groups, Particles: Special Relativity and Relativistic Symmetry in Field and Particle Physics	R.U. Sexl, H.K. Urbantke	2000

39	Singularity Theory and Gravitational Lensing	A.O. Petters, H. Levine	2001
40	Singular Null hypersurfaces in General Relativity	C. Barrabes, P.A. Hogen	2003
41	Stars as Laboratories for Fundamental Physics	Georg G. Raffelt	1996
42	Statistical Challenges in Astronomy	E.D. Feigelson	2003
43	Structure Formation in the Universe	T. Padmanabhan	1993
44	The Design and Construction of Large Optical Telescopes	P.Y. Bely	2002
45	The Early Universe	E. W. Kolb	1990
46	The Fabric of the Cosmos	B. Green	2004
47	The Formation of Stars	S.W. Stahler	2004
48	The Large Scale Structure of Space-Time	S.W.Hawking, G.F.R.Ellis	1973
49	The Neutron Star-Black Hole Connection	C. Kouveliotou	1999
50	The Physics of Standard Model and Beyond	T. Morii	2004
51	Theoretical and Observational Cosmology	M. Lachieze-Rey	1998
52	Theoretical Astrophysics, Vol. 1: Astrophysical processes	T. Padmanabhan	2000
53	Theoretical Astrophysics, Vol. 2: Stars and Stellar Systems	T. Padmanabhan	2001
54	Theoretical Astrophysics, Vol. 3: Galaxies and Cosmology	T. Padmanabhan	2000

**CERN-CMS Project & Experimental Particle Physics**

	<b>Title</b>	<b>Author/Editor</b>	<b>Year</b>
1	Charged Particle Beams	S. Humphries Jr.	1990
2	CMS Constitution	CERN	1998
3	CMS-The Compact Muon Solenoid, Computing Technical Proposal	CERN	1996
4	CMS-The Compact Muon Solenoid, Letter of Intent	CERN	1992
5	CMS-The Tracker Project, Technical Design Report	CERN	1998
6	CMS-The Trigger and Data Acquisition Project, Vol. II, Data Acquisition & High –Level Trigger	CERN	2002
7	Contemporary Accelerator Physics	S.I. Tzenov	2004
8	Picked up for you	CERN	2005
9	Proceeding of the 2 <sup>nd</sup> Workshop on Tristan Physics at High Luminosities	H.Sagawa,T. Tsukamoto, I.Watanabe,Y. Yamada	1993
10	Proceedings of the 7 <sup>th</sup> and final JSD Workshop, Japan	S. Terada	1994
11	Quantum Aspects of Beam Physics	P. Chen	2002
12	Supercollider Physics	D.E.Soper	1986
13	Techniques for Nuclear and Particle Physics Experiments	William R. Leo	1987
14	The BABAR Physics Book	P.F.Harrison,H.R.Quinn	1998
15	The Infancy of Particle Accelerators, Life and Work of R. Wideröe	P. Waloschek	1994
16	Theory and Design of Charged Particle Beams	M. Reiser	2004

**Condensed Matter**

	<b>Title</b>	<b>Author/Editor</b>	<b>Year</b>
1	A Primer in Destiny Functional Theory	C. Fiolhais	2003
2	Advances in Solid State Physics	B. Kramer	2002
3	An Introduction to Computational Physics	T. Pang	2006
4	Bose-Einstein Condensation	L. Pitaevskii	2003
5	Bosonization and Strongly Correlated Systems	Alexander O. Gogolin	1999
6	Carbon Nanotubes: Advanced Topics in the Synthesis, Structure, Properties and Applications	Ado Jorio	2008
7	Condensed Matter Field Theory	Alexander Altland	2006
8	Condensed Matter Physics	M.P. Marder	2000
9	Density functional Theory	E.K.U. Gross, R.M. Dreizler	1995
10	Diffusion processes during drying of solids	K.N. Shukla	1990
11	Electrical Transport in Nanoscale Systems	M.D. Ventra	2008
12	Electron Correlation in Metals	K. Yamada	2004
13	Liquid Crystals, Applications and Uses Vol:2	B. Bahadur	1991
14	Liquid Crystals, Applications and Uses Vol:3	B. Bahadur	1992
15	Magnetic Multilayers and Giant Magneto-Resistance	U. Hertmann	1999
16	Many-Body Quantum Theory in Condensed Matter Physics: An Introduction	H. Bruus	2004
17	Modern Many-Particle Physics: Atomic Gases, Quantum Dots and Quantum Fluids	E. Lipparini	2003
18	Neutron inelastic scattering 1997		1978
19	Neutron Scattering in the 'nineties, Conference Proceedings, Julich 14-18 Jan 1985		1985
20	Open Problems in Strongly Correlated Electron Systems	J. Bonca	2000
21	Quantum Field Theory of Many-Body Systems	X-G. Wen	2004
22	Quantum Theory of Many Particle Systems	A.L. Fetter, J.D. Walecka	1971
23	Quantum Theory of the Electron Liquid	G.F. Giuliani, G. Vignale	2005
24	Quantum Transport in Mesoscopic Systems: Complexity and Statistical Fluctuations	P.A. Mello	2004
25	Quasi-Exact Solvability	A.G. Ushveridze	1992
26	Quasi-Exactly Solvable Models in Quantum Mechanics	A. G. Ushveridze	1994
27	Principles of Nanotechnology	G. Ali Mansoori	2005
28	Recent Progress in Many-body Theories	R.F.Bishop, ...	2001
29	Self-organization of complex structures	F.Schweitzer	1997
30	Semiconductor Spintronics and Quantum Computation	D.D. Awschalom	2002
31	Soft Condensed Matter Physics in Molecular and Cell Biology	W.C.K. Poon, D Andelman	2006
32	Soft Machine: Nano Technology and life	R.A.L. Jones	2006
33	Solid-State Physics	H. Ibach, H. Lüth	1990
34	Solid State Physics	N.W. Ashcroft, N.D. Mermin	1976
35	Solid State Physics	G. Grosso	2000
36	Solid State Physics of Finite Systems	R.A.Brogli, G.Colo, G.Onida	2004
37	Spin Dependent Transport in Magnetic Nanostructures	S. Maekawa, T. Shinjo	2002
38	Spin Electronics	D.D. Awschalom	2004
39	Statistical Green's Functions	V.I. Yukalov	1998
40	Strongly Correlated Fermions and Bosons in Low-Dimensional Disordered Systems	I.V. Lerner, B.L. Althsuler	2001

41	Superconductivity, Superfluids and Condensates	J.E. Annett	2004
42	The Art of Molecular Dynamics Simulation	D.C. Rapaport	2004
43	The Boltzmann Equation and Its Applications	C. Cercignani	1975
44	The Determination of Molecular Structure	P. J. Wheatley	1968
45	The Geometric Phase in Quantum Systems	A. Bohm	2003
46	The One-Dimensional Hubbard Model	F.H.L. Essler	2005
47	Two-Dimensional Coulomb Liquids and Solids	Y. Monarkha, K. Kono	2004
48	Waves in Random Media	---	1991

**Field Theory**

	<b>Title</b>	<b>Author/Editor</b>	<b>Year</b>
1	An Introduction to Quantum Field Theory	M.E. Peskin, D.V. Schroeder	1995
2	Classical Groups for Physicists	B.G. Wybourne	1974
3	Conformal Field Theory and Solvable Lattice Models	M.Jimbo,T.Miwa,T.Suchiya	1988
4	Dynamical Gauge Symmetry Breaking	E. Farhi, R. Jackiw	1982
5	Electrodynamics: An Introduction Including Quantum Effects	H.J.W. Muller-Kristen	2004
6	Gauge Field Theories	S. Pokorski	2000
7	Gauge Field Theories	J. Leite Lopes	1981
8	Gauge Theories of Fundamental Interactions	R. N. Mohapatra, C.H. Lai	1981
9	Introduction to Field Theory and Dispersion Relations	R. Hagedorn	1964
10	Introduction to Functional Analysis	A.E. Taylor	1966
11	Introduction to Gauge Field Theories	M.Chaichian,N.F. Nelipa	1984
12	Introduction to Quantum Mechanics	H.J.W. Muller-Kristen	2006
13	Methods in Field Theory	R. Balian, J.Zinn-Justin	1976
14	Modern Quantum Field Theory II	S. R. Das, g. Mandal, ..	1995
15	Path Integrals in Quantum Anomalies	K. Fujikawa	2001
16	Path Integrals in Quantum Mechanics	J. Zinn-Justin	2005
17	Problems and Solutions in Group Theory for Physicists	Z-Q. Ma	2004
18	Quantum Electrodynamics	T. Kinoshita	1990
19	Quantum Field Theory and Critical Phenomena	J. Zinn-Justin	2002
20	Quantum Field Theory in a Nutshell	A. Zee	2003
21	Quantum Field Theory, Part 1: Spin Zero	M. Srednicki	2004
22	Quantum Field Theory, Part 2: Spin One Half	M. Srednicki	2004
23	Quantum Theory of Fields	L.S. Brown	1992
24	R.G & Critical Phenomena	D.J. Amit	1984
25	Renormalization	Dirk Helbing	1995
26	Tensors and Manifolds With Applications to Physics	R.H. Wasserman	2004
27	The Global Approach to Quantum Field Theory, Vol. 1	B. Dewitt	2003
28	The Global Approach to Quantum Field Theory, Vol. 2	B. Dewitt	2003
29	The Mathematical Foundations of Gauge Theories	K.B. Marathe, G. Martucci	1992
30	The Quantum Theory of Fields, Vol: 1, Foundations	S. Weinberg	1995
31	The Quantum Theory of Fields, Vol: 2, Modern Applications	S. Weinberg	1996
32	The Quantum Theory of Fields, Vol: 3, Supersymmetry	S. Weinberg	2000
33	Thermal Field Theory	M. Bellac	1996

## Fluid and Plasmas

	Title	Author/Editor	Year
1	Atoms, Solids, and Plasmas in Super-Intense Laser Fields	D. Batani	2000
2	Collective Modes in Inhomogeneous Plasma	J. Weiland	2000
3	Colloidal Plasma Science, Proceedings of the International Topic Conf. On Plasma Physics	P.K. Shukla, L. Stenflo	2001
4	Computer Space Plasma Physics	H.Matsumoto, Y. Omura	1993
5	Electrohydrodynamics in Dusty and Dirty Plasmas	H. Kikuchi	2001
6	Foundations of Radiation Hydrodynamics	D.Mihalas,B.W. Mihalas	1984
7	Generalized Boltzmann Physical Kinetics	B.V. Alexeev	2004
8	Handbook ofAdvanced Plasma Processing Techniques	R.J. Shul, S.J. Pearton	2000
9	Handbook of Plasma Immersion ion Implantation and Deposition	A. Anders	2000
10	High Density Plasma Sources	O.A. Popov	1995
11	Introduction to Plasma Physics	R.J. Goldston,P.H. Rutherford	1995
12	Kinetic Theory of Non-Ideal Gases & Non-ideal Plasmas	Y. L. Klimontovich	1982
13	Laser and Plasma Technology	S. Lee, B.C. Tan, C.S. Wong, A.C. Chew	1985
14	Laser and Plasma Technology	S.Lee, B.C.Tan, C.S.Wong, A.C. Chew,K.S.Low,H.Ahmad,Y.H.Chen	1986
15	Laser Physics at Relativistic Intensities	A.V. Borovsky, A.L. Galkin, O.B. Shiryayev, T. Auguste	2002
16	Laser Plasma Physics, Forces and the Non-Linearity Principle	H. Hora	2000
17	Lecture Notes on Principles of Plasma Processing / includes a CD	F.F. Chen	2003
18	MHD Instabilities	G. Batemann	1980
19	Microwave Excited Plasmas	M. Moisan, J. Pelletier	1992
20	Molecular Theory of Gases and Liquids	J.O.Hirschfelder, C.F. Curtiss, R.B. Bird	1967
21	Nonlinear and Turbulent processes in Physics/Vol.1: Nonlinear Effects in Plasma Physics, Astrophysics, and Elementary Particle Theory	R.Z. Sagdeev	1984
22	Nonlinear Instabilities in Plasmas and Hydrodynamics	P.Scott, H. Wilhelmsson	2000
23	Non-linear Integrable Systems- Classical Theory and Quantum Theory, Proceedings of RIMS Symposium	M. Sato	1983
24	Nonlinear Phenomena in Plasma Physics and Hydrodynamics	R. Z. Sagdeev	1986
25	Nonlinear Wave Motion, Vol. 15	A.C. Newell	1974
26	Perturbative QCD at High Energies	A.H. Mueller	1981
27	Physics of Ionized Gases	B. M. Smirnov	2001
28	Physics of Microwave Discharges	A.V. Gurevich, N.D. Borisov, G.M. Milikh	1997
29	Physics of Plasmas	L.C. Woods	2004
30	Physics of Space Plasmas	G.K. Parks	1991
31	Plasma Confinement	R.D.Hazeltine,J.D.Meiss	1991
32	Plasma Diagnostics, Vol. 2: Surface Analysis and Interactions	O. Auciello, D.L. Flamm	1989
33	Plasma Phenomena in Gas Discharges	R. N. Franklin	1976
34	Principles of Magnetoplasma Dynamics	---	
35	Principles of Physical Oceanography	G.Neumann,W.J.Pierson	1966
36	Principles of Plasma Electrodynamics	A.F.Alexandrov, L.S.Bogfankevich,	1978

		A.A.Rukhadze	
37	Radiation Processes in Plasmas	G. Bekefi	1996
38	Relativistic Fluids and Magneto-Fluids	A.M. Anile	1989
39	Space Plasma Simulation	J. Buchner	2003
40	Statistical Fluid mechanics: Mechanics of Turbulence, Vol: 1	A.S. Monin, A.M.Yaglom	1973
41	Statistical Fluid mechanics: Mechanics of Turbulence, Vol: 2	A.S. Monin, A.M.Yaglom	1975
42	Statistical Plasma Physics, Vol:1: Basic Principles	S. Ichimaru	1991
43	Systems of Quasilinear Equations and Their Applications to Gas Dynamics	B.L. Rozdestvenskii, N.N.Janenko	1978
44	The Physics of Inertial Fusion	S. Atzeni	2004
45	The Physics of Laser Plasma Interactions	W. L. Kruer	1988
46	The Physics of Non-Ideal Plasma	V. E. Fortov, I.T. Lakubov	2000
47	The Theory of Difference Schemes	A. A. Samarskii	2001
48	The Theory of Toroidally Confined Plasmas	R.B. White	2001



**General Physics**

	<b>Title</b>	<b>Author/Editor</b>	<b>Year</b>
1	Course of Theoretical Physics, Vol.1: Mechanics	L.D.Landau,E.M.Lifshitz	1976
2	Course of Theoretical Physics, Vol.2:The Classical Theory of Fields	L.D.Landau,E.M.Lifshitz	1975
3	Course of Theoretical Physics, Vol.3: Quantum Mechanics	L.D.Landau,E.M.Lifshitz	1977
4	Course of Theoretical Physics, Vol.4:Quantum Electrodynamics	V.B. Berestetskii, ...	1975
5	Course of Theoretical Physics, Vol. 5: Statistical Physics, Part 1	L.D. Landau,E.M. Lifshitz	1984
6	Course of Theoretical Physics, Vol. 6: Fluid Mechanics	L.D. Landau,E.M. Lifshitz	1987
7	Course of Theoretical Physics, Vol. 8: Electrodynamics of Continuous Media	L.D. Landau,E.M. Lifshitz, ...	1975
8	Course of Theoretical Physics, Vol. 9: Statistical Physics, Part 2	E.M.Lifshitz,L.P.Pitaevskii	1980
9	Course of Theoretical Physics, Vol. 10: Physical Kinetics	E.M.Lifshitz,L.P.Pitaevskii	1981
10	Essential Relativity	W. Rindler	1969
11	Kinetic Theory	R. L. Liboff	1990
12	Modern Quantum Mechanics	J. J. Sakura, S. Fu Tuan	1985
13	Operational Guidelines for Ethic Committees that Review Biomedical Research	WHO	2000
14	Physics in New Era (An overview)	National Research Council	2001
15	Principles of Quantum Mechanics	R. Shankar	1994
16	Proceedings of the School and Workshop on Logarithmic Conformal Field Theory and Its Applications	International Journal of Modern Physics	2003
17	Pursuit and Promotion of Science, The Indian Experience	---	2001
18	Quantum Field Theory	C, Itzykson, J-B/ Zuber	1978
19	Statistical Mechanics	F. Rief	
20	The New Physics	P.Davis	1989

### High Energy Physics – Phenomenology & Particle Physics

	Title	Author/Editor	Year
1	A Modern Introduction to Particle Physics	Fayyazuddin	1992
2	AIP Conf. Proceedings: Beam Stability and Nonlinear Dynamics	Z. Parsa	1997
3	AIP Conf. Proceedings: Future High Energy Colliders	Z. Parsa	1997
4	AIP Conf. Proceedings: New Modes of Particle Acceleration	Z. Parsa	1997
5	An Introduction to the Physics of Particle Accelerator	M. Conte, W.W. Mackay	1991
6	Application of Distributions to the Theory of Elementary Particles in Quantum Mechanics	L. Schwartz	1968
7	Colliders and Neutrinos, The window into physics beyond the standard Model	S. Dawson, R.N. Mohapatra	2008
8	Grand Unified Theories	Graham G. Ross	1985
9	Group Theory for Unified Model Building	R. Slansky	1981
10	Handbook of Accelerator Physics and Engineering	A.W. Chao, M. Tigner	1999
11	Heavy Quark Physics	D. Blaschke	2004
12	Introduction to High Energy Physics	D.H. Perkins	1982
13	Lectures on Flavor Physics	U.-G. Meißner	2004
14	Linear and Nonlinear Aspects of Vortices- The Ginzburg-Landau Model	F. Pacard, T. Riviere	2004
15	Particles, Strings and Supernovae, Vol. 1	A. Jevicki, C. I. Tan	1989
16	Perspectives on LHC Physics	G. Kane, A. Pierce	2008
17	Physics of Leptons	A.Breaux, J.Chan, L.DePorcel, L.Dixon	1997
18	Physics of Massive Neutrinos	F. Boehm, P. Vogel	1992
19	Physics of Neutrinos	M. Fukugita	2003
20	Proceedings of the 1 <sup>st</sup> Workshop on Particle Physics and Phenomenological Aspects of QCD	IPM	2004
21	The Higgs Hunter's Guide	J.F. Gunion, H.E. Haber, G. Kane, S. Dawson	2000
22	The Phases of Quantum Chromodynamics	J.B. Kogut, M. A. Stephanov	2004
23	The Strong Interaction, from Hadrons to Partons	J.Chan, L.DePorcel, L.Dixon	1996
24	Theory and Phenomenology of Sparticles	M. Drees, R. Godbole, P. Ray	2004
25	QCD as a Theory of Hadrons, From Partons to Hadrons	S. Narison	2004
26	Unity of Forces in the Universe, Vol. 1	A. Zee	1982
27	Unity of Forces in the Universe, Vol. 2	A. Zee	1982

### High Energy Physics - String

	Title	Author/Editor	Year
1	A First Course in string Theory	B. Zwiebach	2004
2	An Introduction to String Theory and D-Brane Dynamics	R.J. Szabo	2004
3	Anatomy of A Duality	C. V. Johnson	1997
4	Black Holes and Solitons in String Theory	D. Youm	1997
5	Brane Dynamics and Gauge Theory	A. Giveon, D. Kutasov	1998
6	Concise Encyclopedia of Supersymmetry	S.Duplij, W. Siegel, J.Bagger	2004
7	D-Brane Primer	C. V. Johnson	2000
8	D-Brane, Tachyons, and String Field Theory	W.Taylor, B.Zwiebach	2001
9	Fields, Strings and Branes	C. Gomez & R. Hernandez	1997
10	Gravity and Strings	Tomas Ortin	2004
11	Introduction to Superstrings	M. Kaku	1988
12	Large $N$ Field Theory, String Theory and Gravity	O.Aharony, S.S.Gubser, J.Maldacena, H. ooguri, Y. Oz	2004
13	Les Houches Lectures on Fields Strings and Duality	R. Dijkgraaf	1997
14	M-Theory and Quantum Geometry	L. Thorlacius	1999
15	New Developments in Fundamental Interaction Theories	Karpacz Winter School	2001
16	Noncommutative Structures in Mathematics and Physics	S. Duplij	2000
17	Nonperturbative aspects of Strings, Branes and Supersymmetry	M. Duff, J. Jouis, ...	1999
18	Open Strings	C.Angelantonj, A.Sagnotti	2002
19	Particles, Strings and Cosmology	P. Nath	1999
20	Proceedings of the 3 <sup>rd</sup> Seminar on Quantum Gravity	M.A.Markov, V.A.Berezin, V.P.Frolov	1985
21	Progress in String Theory an M-Theory	Z-Q. Ma	1999
22	String Theory and Quantum Gravity '92	J. Harvey, R. Lengo, ..	1993
23	String Theory, Vol. 1	J. Polchinski	1998
24	String Theory, Vol. 2	J. Polchinski	1998
25	Strings 2001	A.Dabholkar, S.Mukhi, S.R.Wadia	2001
26	Supergravities in Diverse Dimensions, Vol. 1	A. Salam, E. Sezgin	1989
27	Supergravities in Diverse Dimensions, Vol. 2	A. Salam, E. Sezgin	1989
28	Superspace or One Thousand and One Lessons in Supersymmetry	S.J.Gates, M.T.Grisaru, M. Roč et W. Siegel	1983
29	Superstring Theory, Vol. 1	M.B.Green, J.H.Schwarz, E. Witten	1987
30	Superstring Theory, Vol. 2	M.B.Green, J.H.Schwarz, E. Witten	1987
31	Superstrings and Related Matters, Proceedings of the Trieste 2000 Spring Workshop	C.Bachas, J. Maldacena, K.S.Narain, S.Randjbar-Daemi	2001
32	Supersymmetry and String Theory: Beyond the Standard Model	M. Dine	2007
33	Supersymmetry and Supergravity	J. Wess, J. Bagger	1992
34	Supersymmetry, Supergravity and Related Topics, Proceedings of XVth GIFT Int. Seminar on Theoretical Physics	F.del Aguila, J.A.de Azcarraga, L.E. Ibanez	1985

35	The Geometry of Physics	T. Frankel	1999
36	The Legacy of Albert Einstein	S.R. Wadia	2007
37	The Plane-Wave / Super Yang-Mills Duality	D. Sadri, M.M. Sheikh-Jabbari	2003
38	The Standard Model in the Making	D. Bardin, G. Passarino	1999
39	What is String Theory	J. Polchinski	1994

## Mathematics

	Title	Author/Editor	Year
1	Affine Lie Algebras and Quantum Group	J. Fuchs	1992
2	Algebraic Topology, A first Course	M. J. Greenberg, J.R. harper	1981
3	An Introduction to Complex Analysis in Several Variables	L. Hörmander	1967
4	Analysis, Manifolds and Physics	Y. Choquet,C.D. Witt,M.Dillard	1977
5	Characteristic Classes	J. W. Milnor, J. D. Stasheff	1974
6	Compact Manifolds with Special Holonomy	D. D. Joyce	2000
7	Comparison Theorems in Riemannian Geometry	J. Cheeger, D. G. Ebin	1975
8	Differential Geometry, Proc. of Symposia in Pure Maths		
9	Differential Geometry and Symmetric Spaces	S. Helgason	1962
10	Eigenfunction Expansions Part I	E.C. Titchmarsh	1958
11	Eigenfunction Expansions Part II	E.C. Titchmarsh	1958
12	Elementary Differential Equations	D.L. Kreider, R.G. Kuller	1968
13	Elementary Differential Geometry	B. O'neill	1966
14	General Topology	J. L. Kelley	1955
15	Generalized Functions, Vol. 1, Properties & Operations	I.M. Gel'Fand, G.E. Shilov	1966
16	Generalized Functions, Vol. 2, Spaces of Fundamental & Generalized Functions	I.M. Gel'Fand, G.E. Shilov	1968
17	Generalized Functions, Vol. 5 Integral Geometry & Representation Theory	I.M. Gel'Fand, G.E. Shilov	1966
18	Geometric Invariant Theory	D. Mumford, J. Fogarty	1982
19	Geometry, Topology and Physics	M. Nakahara	1990
20	Group Theory from a Geometrical Viewpoint	E.Ghys,A.Haefliger,A.Verjovsky	1991
21	Group Theory in Physics	J.F. Cornwell	1984
22	GTM: A Course in Arithmetic	J.P.Serre	1973
23	GTM: Differential Forms in Algebraic Topology	R. Bott, L.W. Tu	1982
24	GTM: Differential Topology	M. W. Hirsch	1976
25	GTM: Fibre Bundles	D. Husemoller	1966
26	GTM: Linear Representations of Finite Groups	J.P.Serre	1977
27	Handbook of Differential Equations	D. Zwillinger	1998
28	Higher Transcendental Functions, Vol. I	Based on: H. Bateman notes	1963
29	Higher Transcendental Functions, Vol. II	Based on: H. Bateman notes	1955
30	Higher Transcendental Functions, Vol. III	Based on: H. Bateman notes	1955
31	Homology Theory	J.W. Vick	1973
32	K-Theory	M. Atiyah	1967
33	Lecture Notes in Mathematics, Invariant Theory	A. Dold, B. Eckmann	1977
34	Lecture Notes in Mathematics, The Atiyah-Singer Index Theorem	P. Shanahan	1970
35	Lectures in Abstract Algebra	N. Jacobson	1966
36	Lectures on Algebraic Topology	A. Dold	1980
37	Lie Theory and Special Functions	W. Miller, Jr.	1968
38	Linear Operators, Part I: General Theory	R.Courant,L.Bers,J.J.Stoker	1966
39	Linear Operators, Part II: Spectral Theory	N. Dunford, J.T. Schwartz	1967
40	Mathematica	S. Wolfram	1988
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42	Mathematical Physics, Proceedings of the XI Regional Conf.	IPM	2004
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