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À partir d'une liste établie par les professeurs du département de physique, la bibliothèque des sciences expérimentales a réuni toutes ces suggestions d'ouvrages en une bibliographie complète, ils sont principalement destinés aux étudiants de Licence 3, Master 1 et Master 2.

Pour certains documents vous les trouverez uniquement en format papier avec la localisation du livre, d'autres en version électronique avec un accès via vos codes lecteurs.

Si vous avez d'autres propositions d'achat de livres, n'hésitez pas à nous en faire part.

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Cours de Licence 3

Hydrodynamique

BATCHELOR, George Keith. *An Introduction to Fluid Dynamics*. Cambridge: Cambridge University Press. 1967.

Cote : [532.05 BAT](#)

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GUYON, Étienne, HULIN, Jean-Pierre, PETIT, Luc, et al. *Hydrodynamique physique*. Les Ulis : EDP Sciences. 2012.

Cote : [532.5 GUY](#)

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LANDAU, Lev Davidovitch, LIFSHITZ, Evgeniï Mikhaïlovich et GLOUKHIAN, Edouard. *Mécanique des fluides*. Moscou: Mir. 1971.

Cote : [532 LAN](#)

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PATERSON, Andrew Robert. *A First Course in Fluid Dynamics*. Cambridge: Cambridge University Press. 1983.

Cote : [532.05 PAT](#)

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POPE, Stephen B. *Turbulent Flows*. Cambridge: Cambridge University Press. 2000.

Cote : [532.05 POP](#)

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TENNEKES, Henk et LUMLEY, John Leask. *A First Course in Turbulence*. Cambridge: MIT Press. 1972.

Cote : [530.8 TEN](#)

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TRITTON, David John. *Physical Fluid Dynamics*. Oxford: Clarendon Press. 1988.

Cote : [532.05 TRI](#)

Introduction à l'astrophysique

ACKER, Agnès. *Astronomie, astrophysique*. Paris : Dunod. 2013.

Cote : [523.01 ACK](#)

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DRAINE, Bruce Thomas. *Physics of the Interstellar and Intergalactic Medium*. Princeton: Princeton University Press. 2011.

Cote : [523.1 DRA](#)

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HEYVAERTS, Jean. *Astrophysique : étoiles, univers et relativité*. Paris : Dunod. 2012.

Cote : [523.01 HEY](#)

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LÉNA, Pierre, ROUAN, Daniel, LEBRUN, François, *et al.* *L'observation en astrophysique*. Les Ulis : EDP Sciences. 2008.

Cote : [523.01 LEN](#)

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LEQUEUX, James, FALGARONE, Edith et RYTER, Charles. *Le milieu interstellaire*. Les Ulis : EDP Sciences. 2002.

Cote : [523.1 LEQ](#)

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MONIER, Richard. *Les étoiles et le milieu interstellaire : introduction à l'astrophysique : cours, exercices et problèmes résolus : niveau M1*. Paris : Ellipses. 2006.

Cote : [523.1 MON](#)

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PETER, Patrick, UZAN, Jean-Philippe et DAMOUR, Thibault. *Cosmologie primordiale*. Paris : Belin. 2012.

Cote : [523.1 PET](#)

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STAHLER, Steven W et PALLA, Francesco. *The Formation of Stars*. Weinheim: Wiley. 2004.

Sudoc : <https://www.sudoc.fr/084370718>

Physique du solide

SIMON, Steven H. *The Oxford Solid State Basics*. Oxford: Oxford University Press. 2013.

Cote : [530.41 SIM](#)

Physique statistique des systèmes en équilibre

CALLEN, Herbert Bernard. *Thermodynamics and an Introduction to Thermostatistics*. New York: Wiley. 1985.

Cote : [539.7 CAL](#)

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DIU, Bernard, GUTHMANN, Claudine, LEDERER, Danielle, *et al.* *Éléments de physique statistique*. Paris : Hermann. 1989.

Cote : [530.13 DIU](#)

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HUANG, Kerson. *Statistical Mechanics*. New York: John Wiley & sons. 1963.

Cote : [530.13 HUA](#)

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KARDAR, Mehran. *Statistical Physics of Particles*. Cambridge: Cambridge University Press. 2007.

Cote : [539.72 KAR](#)

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LANDAU, Lev Davidovitch, LIFSHITZ, Evgeniï Mikhaïlovich et SHOENBERG, David. *Statistical Physics*. Oxford: Clarendon Press. 1938.

Cote : [530.13 LAN](#)

Relativité et électromagnétisme

JACKSON, John David, JEANMOUGIN, Christian et VIGNERON, Jean-Pol. *Électrodynamique classique : cours et exercices d'électromagnétisme*. Paris : Dunod. 2001.

Cote : [537.6 JAC](#)

Cours de Master 1

Climate Physics

HARTMANN, Dennis L. *Global Physical Climatology*. 2nd edition. Amsterdam: Elsevier. 2016.

Cote : [551.6 HAR](#)

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VALLIS, Geoffrey K. *Atmospheric and Oceanic Fluid Dynamics : Fundamentals and Large-Scale Circulation*. 2nd edition. Cambridge: Cambridge University Press. 2017.

Cote : [551.462 VAL](#)

Cosmology

PETER, Patrick, UZAN, Jean-Philippe, BRUJIC, Jasna, *et al. Primordial Cosmology*. Oxford: Oxford University Press. 2009.

Cote : [523.1 PET](#)

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RYDEN, Barbara Sue. *Introduction to Cosmology*. Essex: Pearson. 2014.

Cote : [523.1 RYD](#)

Introduction to Climate Physics and the Impacts of Climate Change

Climate and GFD Bases

Climate Physics

HARTMANN, Dennis L. *Global Physical Climatology*. 2nd edition.

Amsterdam: Elsevier. 2016.

Cote : [551.6 HAR](#)

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PEIXOTO, José Pinto. et OORT, Abraham Hans. *Physics of Climate*. New York: American Institute of Physics. 1992.

Cote : [551.5 PEI](#)

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PIERREHUMBERT, Raymond T. *Principles of Planetary Climate*. Cambridge: Cambridge University Press. 2010.

Cote : [551.5 PIE](#)

Geophysical Fluid Dynamics (GFD)

PEDLOSKY, Joseph. *Geophysical Fluid Dynamics*. Berlin: Springer. Springer Study Edition, 1982.

Voir : proxy.rubens.ens.fr/login?url=http://dx.doi.org/10.1007/978-3-662-25730-2

Cote : [550.153 PED](#)

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VALLIS, Geoffrey K. *Atmospheric and Oceanic Fluid Dynamics: Fundamentals and Large-Scale Circulation*. 2nd edition. Cambridge: Cambridge University Press. 2017.

Cote : [551.462 VAL](#)

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ZEITLIN, Vladimir. *Geophysical Fluid Dynamics: Understanding (almost) Everything with Rotating Shallow Water Models*. Oxford: Oxford University Press. 2018.

Cote : [550.153 ZEI](#)

Climate Change and Transitions

Climate Change and Climate Change Impacts

INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE (éd.). Climate Change 2022: Impacts, Adaptation and Vulnerability: Working Group II Contribution to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change. Cambridge: Cambridge University Press. 2023.

Voir : proxy.rubens.ens.fr/login?url=https://doi.org/10.1017/9781009325844

Catalogue : https://catalogue.bib.ens.psl.eu/record=b3530481~S25*frf

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MASSON-DELMOTTE, Valérie. Climate Change 2021: The Physical Science Basis: Working Group I Contribution to the Sixth Assessment Report of The Intergovernmental Panel on Climate Change. Cambridge: Cambridge University Press. 2023.

Voir : <https://doi.org/10.1017/9781009157896>

Catalogue : https://catalogue.bib.ens.psl.eu/record=b3548272~S25*frf

Energy Transitions

ADEME. *Synthèse Transition(s) 2050*. ADEME Éditions. 2024.

Voir : <https://librairie.ademe.fr/ged/6529/transitions2050-synthese-mars2024.pdf>

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IEA. World Energy Outlook 2022 – Analysis. *iea*. 2022.

Voir : <https://www.iea.org/reports/world-energy-outlook-2022>

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LEBROUHI, Badr Eddine, SCHALL, Eric, LAMRANI, Bilal, *et al.* Energy Transition in France. *Sustainability*. 2022. Vol. 14, n° 10, pp. 5818.

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RTE. Energy Pathways to 2050 Key Results. Paris : RTE. 2022.

Voir : https://assets.rte-france.com/prod/public/2022-01/Energy%20pathways%202050_Key%20results.pdf

Specialized Textbooks

Atmosphere Physics and Dynamics, Meteorology

HOLTON, James Reed. et HAKIM, Gregory John. *An Introduction to Dynamic Meteorology*. 5th edition. Amsterdam: Elsevier. 2013.

Voir : proxy.rubens.ens.fr/login?www.sciencedirect.com/science/book/9780123848666

Cote : [551.51 HOL](#)

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WALLACE, John Michael et HOBBS, Peter Victor. *Atmospheric Science: An Introductory Survey*. 2nd edition. Amsterdam: Elsevier. International Geophysics Series, 92, 2006.

Cote : [551.5 WAL](#)

Clouds

HOBBS, Peter Victor. *Aerosol--Cloud--Climate Interactions*. San Diego: Academic Press. 1993.

Sudoc : <https://www.sudoc.fr/015942961>

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HOUZE, Robert A. *Cloud Dynamics*. 2nd edition. Oxford: Academic Press. International Geophysics Series, 2014.

Voir : proxy.rubens.ens.fr/login?ebookcentral.proquest.com/lib/ensparis-ebooks/detail.action?docID=1732065

Cote : [551.576 HOU](#)

Ocean Dynamics

PEDLOSKY, Joseph. *Ocean Circulation Theory*. Berlin: Springer. 1996.

Voir : proxy.rubens.ens.fr/login?ebookcentral.proquest.com/lib/ensparis-ebooks/detail.action?docID=3097060

Cote : [551.462 PED](#)

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VALLIS, Geoffrey K. *Atmospheric and Oceanic Fluid Dynamics: Fundamentals and Large-Scale Circulation*. 2nd edition. Cambridge: Cambridge University Press. 2017.

Cote : [551.462 VAL](#)

Radiative Transfers

PIERREHUMBERT, Raymond Thomas. *Principles of Planetary Climate*.

Cambridge: Cambridge University Press. 2010.

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Turbulence

THORPE, Stephen, Austen. *An Introduction to Ocean Turbulence*. Cambridge: Cambridge University Press. 2007.

Voir : proxy.rubens.ens.fr/login?ebookcentral.proquest.com/lib/ensparis-ebooks/detail.action?docID=321444

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WYNGAARD, John C. *Turbulence in the Atmosphere*. Cambridge: Cambridge University Press. 2010.

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Machine Learning Principles and Applications in Physics

GOODFELLOW, Ian J., BENGIO, Yoshua et COURVILLE, Aaron C. *Deep Learning*. Cambridge: MIT Press. 2016.

Cote : BMI : [INF GOOD 8-02](#)

Optique quantique : lasers et atomes

ADAMS, Charles S. et HUGHES, Ifan G. *Optics F2f : From Fourier to Fresnel*. Oxford: Oxford University Press. 2019.

Cote : [515.243 ADA](#)

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CHAMPEAU, René-Jean, CARPENTIER, Renaud et LORGERÉ, Ivan. *Ondes lumineuses : propagation, optique de fourier, cohérence*. Bruxelles : De Boeck. 2009.

Cote : [535.2 CHA](#)

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GRYNBERG, Gilbert, ASPECT, Alain, FABRE, Claude, *et al.* *Introduction to Quantum Optics: From the Semi-Classical Approach to Quantized Light*. Cambridge: Cambridge University Press. 2010.

Voir : proxy.rubens.ens.fr/login?doi.org/10.1017/CBO9780511778261

Cote : [535.15 GRY](#)

Quantum Optics

FABRE, Claude et CORTIÑAS, Rodrigo Gastón. *Quantum Processes and Measurement: Theory and Experiment*. Cambridge: Cambridge University Press. 2023.

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GARCÍA RIPOLL, Juan José. *Quantum Information and Quantum Optics with Superconducting Circuits*. Cambridge: Cambridge University Press. 2022.

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GRYNBERG, Gilbert, ASPECT, Alain, FABRE, Claude, *et al.* *Introduction to Quantum Optics: From the Semi-Classical Approach to Quantized Light*. Cambridge: Cambridge University Press. 2010.

Voir : proxy.rubens.ens.fr/login?doi.org/10.1017/CBO9780511778261

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HAROCHE, Serge et RAIMOND, Jean-Michel. *Exploring The Quantum: Atoms, Cavities, and Photons*. Oxford: Oxford University Press. 2006.

Voir : proxy.rubens.ens.fr/login?ebookcentral.proquest.com/lib/ensparis-ebooks/detail.action?docID=430554

Cote : [530.12 HAR](#)

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JORDAN, Andrew N. et SIDDIQI, Irfan. *Quantum Measurement : Theory and Practice*. Cambridge: Cambridge University Press. 2024.

Cote : [530.12 JOR](#)

Superfluidity

KHALATNIKOV, Isaac. *An Introduction to the Theory of Superfluidity*. Boca Raton: CRC Press. 2018.

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SVISTUNOV, Boris, BABAEV, Egor et PROKOF'EV, Nikolay. *Superfluid States of Matter*. Boca Raton: CRC Press. 2015.

Cote : [530.42 SVI](#)

Transition de phase

BRÉZIN, Édouard. *Introduction to Statistical Field Theory*. Cambridge: Cambridge University Press. 2010.

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CARDY, John Lawrence. *Scaling and Renormalization in Statistical Physics*. Cambridge: Cambridge University Press. 1996.

Voir : proxy.rubens.ens.fr/login?doi.org/10.1017/CBO9781316036440

Cote : [530.474 CAR](#)

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GOLDENFELD, Nigel. *Lectures on Phase Transitions and the Renormalization Group*. Reading: Addison-Wesley. 1992.

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KARDAR, Mehran. *Statistical Physics of Fields*. Cambridge: Cambridge University Press. 2007.

Voir : proxy.rubens.ens.fr/login?doi.org/10.1017/CBO9780511815881

Cote : [530.133 KAR](#)

Cours de Master 2

Semestre 1 :

Advanced Quantum Mechanics

COHEN-TANNOUDJI, Claude, DIU, Bernard, LALOË, Franck *et al.* *Quantum Mechanics. Volume I, Basic Concepts, Tools, and Applications.* Weinheim: Wiley. 2020.

Cote : [530.12 COH](#)

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COHEN-TANNOUDJI, Claude, DIU, Bernard, LALOË, Franck, et al. *Quantum Mechanics. Volume II, Angular Momentum, Spin, and Approximation Methods.* Weinheim: Wiley. 2020.

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COHEN-TANNOUDJI, Claude et GUÉRY-ODELIN, David. *Advances in Atomic Physics: An Overview.* Singapour: World Scientific. 2011.

Voir : proxy.rubens.ens.fr/login?url=https://ebookcentral.proquest.com/lib/ensparis-ebooks/detail.action?docID=840699

Cote : [539.7 COH](#)

Advanced Statistical Physics

ALTLAND, Alexander et SIMONS, Ben. *Condensed Matter Field Theory.* Cambridge: Cambridge University Press. 2023.

Cote : [530.41 ALT](#)

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AMIT, Daniel J. *Field Theory, the Renormalization Group, and Critical Phenomena.* Singapour: World Scientific. 1984.

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CARDY, John Lawrence. *Scaling and Renormalization in Statistical Physics*. Cambridge: Cambridge University Press. 1996.

Voir : proxy.rubens.ens.fr/login?doi.org/10.1017/CBO9781316036440

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CHAIKIN, Paul M. et LUBENSKY, Tom C. *Principles of Condensed Matter Physics*. Cambridge: Cambridge University Press. 1997.

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COLEMAN, Piers. *Introduction to Many-Body Physics*. Cambridge: Cambridge University Press. 2015.

Cote : [530.144 COL](#)

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DI CASTRO, Carlo et RAIMONDI, Roberto. *Statistical Mechanics and Applications in Condensed Matter*. Cambridge: Cambridge University Press. 2015.

Cote : [530.41 CAS](#)

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GIAMARCHI, Thierry. *Quantum Physics in One Dimension*. Oxford: Oxford University Press, Clarendon. 2004.

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GOLDENFELD, Nigel. *Lectures on Phase Transitions and the Renormalization Group*. Reading: Addison-Wesley. 1992.

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HERBUT, Igor. *A Modern Approach to Critical Phenomena*. Cambridge: Cambridge University Press. 2007.

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Voir : proxy.rubens.ens.fr/login?doi.org/10.1017/CBO9780511815881

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PARISI, Giorgio. *Statistical Field Theory*. Redwood City: Addison-Wesley. 1988.

Cote : [530.13 PAR](#)

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SACHDEV, Subir. *Quantum Phase Transitions*. Cambridge: Cambridge University Press. 2011.

Voir : proxy.rubens.ens.fr/doi.org/10.1017/CBO9780511973765

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STANLEY, Harry Eugene. *Introduction to Phase Transitions and Critical Phenomena*. Oxford: Clarendon Press. 1971.

Cote : [536.4 STA](#)

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TSVELIK, Alexei. *Quantum Field Theory in Condensed Matter Physics*. Cambridge: Cambridge University Press. 2003.

Voir : proxy.rubens.ens.fr/login?/doi.org/10.1017/CBO9780511615832

Cote : [530.143 TSV](#)

Advanced Statistical Physics & New Applications

CHAIKIN, Paul M. et LUBENSKY, Tom C. *Principles of Condensed Matter Physics*. Cambridge: Cambridge University Press. 1997.

Cote : [530.41 CHA](#)

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KARDAR, Mehran. *Statistical Physics of Particles*. Cambridge: Cambridge University Press. 2007.

Cote : [539.72 KAR](#)

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SATOR, Nicolas et PAVLOFF, Nicolas. *Physique statistique*. Louvain-la-Neuve : De Boeck. 2022.

Cote : AG : [PhE2 SAT](#)

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SETHNA, James P. *Statistical Mechanics: Entropy, Order Parameters, and Complexity*. 2nd edition. Oxford: Oxford University Press. Oxford Master Series in Physics, 2021.

Voir : proxy.rubens.ens.fr/login?ebookcentral.proquest.com/lib/ensparis-ebooks/detail.action?docID=422735

Cote : [530.13 SET](#)

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TEXIER, Christophe et ROUX, Guillaume. *Physique statistique : des processus élémentaires aux phénomènes collectifs*. Malakoff: Dunod. 2024.

Cote : [530.133 TEX](#)

Algorithms & Computation

ALLEN, Michael Patrick. et TILDESLEY, Dominic J. *Computer Simulation of Liquids*. 2nd edition. Oxford: Oxford University Press. 2017.

Cote : [518 ALL](#)

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BATTIMELLI, Giovanni, CICCOTTI, Giovanni et GRECO, Pietro. *Computer Meets Theoretical Physics: The New Frontier of Molecular Simulation*. Cham: Springer. The Frontiers Collection, 2020.

Cote : [539.6 BAT](#)

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FRENKEL, Daan et SMIT, Berend. *Understanding Molecular Simulation: From Algorithms to Applications*. San Diego: Academic Press. 2002.

Voir : proxy.rubens.ens.fr/login?ebookcentral.proquest.com/lib/ensparis-ebooks/detail.action?docID=307221

Cote : [T7 FRE](#)

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KRAPIVSKY, Pavel L., REDNER, Sidney et BEN-NAIM, Eli. *A Kinetic View of Statistical Physics*. Cambridge: Cambridge University Press. 2010.

Voir : proxy.rubens.ens.fr/login?doi.org/10.1017/CBO9780511780516

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KRAUTH, Werner. *Statistical Mechanics: Algorithms and Computations*. Oxford: Oxford University Press. Oxford Master Series in Physics, 2006.

Voir : proxy.rubens.ens.fr/login?ebookcentral.proquest.com/lib/ensparis-ebooks/detail.action?docID=431021

Cote : [530.13 KRA](#)

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NEWMAN, Mark, E. J. et BARKEMA, Gerard. T. *Monte Carlo Methods in Statistical Physics*. Oxford: Oxford University Press. 1999.

Sudoc : <https://www.sudoc.fr/051980606>

Atoms and Photons

COHEN-TANNOUDJI, Claude. Photons and Atoms: Introduction to Quantum Electrodynamics. New York: Wiley. 1997.

Sudoc : <https://www.sudoc.fr/060377569>

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COHEN-TANNOUDJI, Claude et GUÉRY-ODELIN, David. *Advances in Atomic Physics: An Overview*. Singapour: World Scientific. 2011.

Voir : proxy.rubens.ens.fr/login?ebookcentral.proquest.com/lib/ensparis-ebooks/detail.action?docID=840699

Cote : [539.7 COH](#)

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GRYNBERG, Gilbert, ASPECT, Alain, FABRE, *et al.* *Introduction to Quantum Optics: From the Semi-Classical Approach to Quantized Light*. Cambridge: Cambridge University Press. 2010.

Voir : proxy.rubens.ens.fr/login?url?doi.org/10.1017/CBO9780511778261

Cote : [535.15 GRY](#)

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HAROCHE, Serge et RAIMOND, Jean-Michel. *Exploring the Quantum: Atoms, Cavities, and Photons*. Oxford: Oxford University Press. 2006.

Voir : proxy.rubens.ens.fr/login?ebookcentral.proquest.com/lib/ensparis-ebooks/detail.action?docID=430554

Cote: [530.12 HAR](#)

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SCHLEICH, Wolfgang Peter. *Quantum Optics in Phase Space*. Berlin: Wiley. 2001.

Cote : [535.15 SCH](#)

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WERNER Vogel, WELSCH, Dirk-Gunnar et WALLENTOWITZ, Sascha. *Quantum Optics: An Introduction*. Berlin: Wiley. 2001.

Sudoc : <https://www.sudoc.fr/077231481>

Electronic Structure Theory

BRUUS, Henrik et FLENSBERG, Karsten. *Many-Body Quantum Theory in Condensed Matter Physics: An Introduction*. Oxford: Oxford University Press. 2004.

Voir : proxy.rubens.ens.fr/login?ebookcentral.proquest.com/lib/ensparis-ebooks/detail.action?docID=5783790

Cote : [530.41 BRU](#)

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GIULIANI, Gabriele Francesco et VIGNALE, Giovanni. *Quantum Theory of the Electron Liquid*. Cambridge: Cambridge University Press. 2005.

Cote : [539.721 GIU](#)

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MARTIN, Richard M. *Electronic Structure: Basic Theory and Practical Methods*. Cambridge: Cambridge University Press. 2020.

Cote : [537.6 MAR](#)

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MARTIN, Richard M., REINING, Lucia et CEPERLEY, David M. *Interacting Electrons: Theory and Computational Approaches*. New York: Cambridge University Press. 2016.

Cote : [537.6 MAR](#)

General Relativity

1. Modern Textbooks in French

DERUELLE, Nathalie, UZAN, Jean-Philippe et LANGLOIS, David. *Théories de la relativité*. Paris: Belin. 2019.

Cote : [530.11 DER](#)

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LANGLOIS, David. *Relativité générale : des fondements géométriques aux applications astrophysiques*. Paris : Vuibert. 2013.

Cote : [530.11 LAN](#)

2. Modern Textbooks in English

CARROLL, Sean Michael. *Spacetime and Geometry: An Introduction to General Relativity*. Harlow: Pearson Education. Always Learning, 2014.

Cote : [530.11 CAR](#)

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HARTLE, James Burkett. *Gravity: An Introduction to Einstein's General Relativity*. San Francisco: Addison-Wesley. 2003.

Cote : [530.11 HAR](#)

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MAGGIORE, Michele. *Gravitational Waves. Volume 1, Theory and Experiments*. Oxford: University Press. 2008.

Cote : [539.754 MAG](#)

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MAGGIORE, Michele. *Gravitational Waves. Volume 2, Astrophysics and Cosmology*. Oxford: Oxford University Press. 2018.

Cote : [521.1 MAG](#)

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POISSON, Eric et WILL, Clifford Martin. *Gravity: Newtonian, Post-Newtonian, Relativistic*. Cambridge : Cambridge University Press. 2014.

Cote : [530.11 WIL](#)

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ZEE, Anthony. *Einstein Gravity in a Nutshell*. Princeton: Princeton University Press. 2013.

Cote : [530.11 ZEE](#)

3.Classics

LANDAU, Lev Davidovitch, LIFSHITZ, Evgeniï Mikhaïlovich et MEDVEDEV, Sergeï. *Théorie des champs*. 4e édition revue et complétée. Moscou : Éditions Mir. Physique théorique, 2, 1989.

Cote : [530.14 LAN](#)

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MISNER, Charles William, THORNE, Kip Stephen, WHEELER, John Archibald, et al. *Gravitation*. San Francisco: W. H. Freeman and Company. 1973.

Cote : [530.11 MIS](#)

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STEWART, John M. *Advanced General Relativity*. Cambridge: Cambridge University Press. 1990.

Cote : [530.11 STE](#)

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WALD, Robert M. *General Relativity*. Chicago: University of Chicago Press. 1984.

Cote : [530.11 WAL](#)

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WEINBERG, Steven et TORCHIN, Itzhak. *Gravitation and Cosmology: Principles and Applications of the General Theory of Relativity*. New York: John Wiley & Sons. 1972.

Cote : [530.11 WEI](#)

4.Textbooks in Geometry

DUBROVIN, Boris Anatol'evich, NOVIKOV, Sergei Petrovich, FOMENKO, Anatolij Timofeevič, *et al. Géométrie contemporaine : méthodes et applications.*

Moscou: Editions Mir. 1982.

Cote : BMI : [SM DUBR 2-01](#)

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NAKAHARA, Mikio. *Geometry, Topology, and Physics.* 2nd edition. Bristol: Institute of Physics Publishing. Graduate Student Series in Physics, 2003.

Cote : [530.15 NAK](#)

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PENROSE, Roger et RINDLER, Wolfgang. *Spinors and Space-Time.* Cambridge: Cambridge University Press. Cambridge Monographs on Mathematical Physics, 1984.

Voir : proxy.rubens.ens.fr/login?10.1017/CBO9780511564048

Cote : BMI : [SM PENR 1-01](#)

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