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## Generalities

- 18681 [Ultimate zero and one: computing at the quantum frontier](#)  
Williams, Colin P.  
Copernicus, 2000  
004.1/WIL
- 18678 [Fortran 90/95 explained](#)  
Metcalf, Michael  
Oxford University Press, 1999  
005.262/MET
- 18648 [Guns, Germs and Steel](#)  
Diamond, Jared  
Random House, 1997  
303.4/DIA

## Natural Sciences

- 18656 [Structure of scientific revolutions](#)  
Kuhn, Thomas S.  
University of Chicago Press, 2012  
501/KUH

## Mathematics

- 18650 [How to solve it: a new aspect of mathematical method](#)  
Polya, G.  
Penguin Books, 1990  
510.7/POL
- 18666 [Parameter estimation and inverse problems](#)  
Aster, Richard C.  
Academic Press, 2013  
515.357/AST
- 18686 [Piecewise smooth dynamical systems: theory and applications](#)  
Bernardo, M. di... [et al.].  
Springer, 2008  
515.39/BER
- 18693 [Stopped random walks: limit theorems and applications](#)  
Gut, Allan  
Springer, 2009  
519.282/GUT

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## Physics

- 18689 [Quantum mechanics and quantum information: a guide through the quantum world](#)  
Fayngold, Moses.  
Wiley-VCH, 2013  
530.12/FAY
- 18680 [Testing quantum mechanics on new ground](#)  
Ghose, Partha  
Cambridge University Press, 1999  
530.12/GHO
- 18691 [Scattering and structures: essentials and analogies in quantum physics](#)  
Povh, Bogdan  
Springer, 2005  
530.12/POV
- 18653 [Practical physics](#)  
Squires, G. L.  
Cambridge House, 2001  
530.15/SQU
- 18663 [Soft condensed matter](#)  
Jones, Richard A. L.  
Oxford University Press, 2002  
530.413/JON
- 18662 [Polymer physics](#)  
Rubinstein, Michael.  
Oxford University Press, 2003  
530.413/RUB
- 18685 [AIP physics desk reference](#)  
Cohen, E. Richard.  
Springer, 2003  
530/COH

## Chemistry

- 18682 [Applied homogeneous catalysis](#)  
Behr, Arno  
Wiley, 2012  
541.395/BEH

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- 18701 [Photocatalysis: fundamentals, applications, and prospects](#)  
Howard, Margaret\_Ed.  
Nova Science Publishers, 2015  
541.395/HOW
- 18688 [Principles and practice of heterogeneous catalysis](#)  
Thomas, J. M.  
Wiley, 2015  
541.395/THO
- 18699 [Catalysis: concepts and green applications](#)  
Gadi, Rothenberg  
Wiley, 2008  
541/ROT
- 18687 [Practical Raman spectroscopy: an introduction](#)  
Vandenabeele, Peter.  
Wiley, 2013  
543.57/VAN
- 18698 [Organotransition metal chemistry : from bonding to catalysis](#)  
Hartwig F. John  
University Science Books, 2010  
547.056/HAR
- 18668 [Mineralogy](#)  
Perkins, Dexter  
Pearson, 2015  
549/PER
- 18671 [Global optimization methods in geophysical inversion](#)  
Sen, Mrinal K.  
Cambridge University Press, 2013  
550.1515357/SEN
- 18665 [Fluid physics in geology: an introduction to fluid motions on earth's surface and within its crust](#)  
Furbish, David Jon  
Oxford University Press, 1997  
550.1532/FUR

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# Earth Sciences

- 18672 [Introduction to the physics of the Earth's interior](#)  
Poirier, Jean-Paul  
Cambridge University Press, 2000  
551.11/POI
- 18667 [Fundamentals of glacier dynamics](#)  
Veen, C. J. Van Der  
CRC Press, 2013  
551.312/VEE
- 18664 [Elements of physical hydrology](#)  
Hornberger, George M.... [et al.]  
Johns Hopkins University Press, 2014  
551.48/HOR
- 18673 [Asian monsoon](#)  
Wang, Bin  
Springer, 2006  
551.5184095/WAN
- 18623 [Isotopes: principles and applications](#)  
Faure, Gunter  
Wiley India, 2009  
551.9/FAU
- 18670 [Lithosphere: an interdisciplinary approach](#)  
Artemieva, Irina M.  
Cambridge University Press, 2011  
551/ART
- 18702 [Understanding earth](#)  
Grotzinger, John  
W. H. Freeman, 2014  
551/GRO
- 18659 [Igneous petrogenesis: a global tectonic approach](#)  
Wilson, Marjorie  
Springer, 1989  
552.1/WIL
- 18669 [Principles of sedimentology and stratigraphy](#)  
Boggs, Sam  
Pearson, 2016  
552.5/BOG

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18638 [Sedimentary geology: an introduction to sedimentary rocks and stratigraphy](#)

Prothero, Donald R. : W. H.  
Freeman, 2014  
552.5/PRO

18620 [Invertebrate palaeontology and evolution](#)

Clarkson, E.N. K.  
Wiley India, 1998  
562/CLA

## Life Sciences

18679 [Primer on mathematical models in biology](#)

Segel, Lee A.  
Society for Industrial and Applied Mathematics, 2013  
570.113/SEG

18629 [Life: the science of biology](#)

Sadava, David... [et al.].  
Macmillan, 2014  
570/SAD

18683 [Introduction to computational biology: an evolutionary approach](#)

Haubold, Bernhard  
Birkhauser, 2006  
572.80285/HAU

18658 [Organic chemistry of biological pathways](#)

McMurry, John  
Roberts and Company Publishers, 2016  
572/MCM

18633 [Plant cell and tissue culture](#)

Vasil, Indra K.\_Ed.  
Springer, 1994  
581.0724/VAS

## Applied Sciences

18690 [Raman spectroscopy in graphene related systems](#)

Jorio, Ado ... [et al.].  
Wiley-VCH, 2011  
620.5/JOR

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18692 [Stochastic control theory: dynamic programming principle](#)

Nisio, Makiko  
Springer, 2015  
629.8312/NIS

18684 [Nanobiophysics: fundamentals and applications](#)

Karachevtsev, Victor A.\_Ed.  
Pan Stanford, 2016  
660.6/KAR

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