

2017

Title	Author	Editor	
GENERAL PHYSICS AND MATHEMATICS			
Scientific units, weights and measures	F. Cardarelli	Springer	2003
Mathematics for Physics and Physicists	W. Appel	Princeton and Oxford	2001
Electricity and magnetism : I & II	B. I. Bleaney and B. Blea	Oxford	2013
A student's guide to Fourier transforms	FJ. F. James	Cambride	2011
A student's guide to vectors and tensors	Daniel Fleisch	Cambride	2012
A student's guide to data and error analysis	Herman J. C. Berensen	Cambride	2011
Modern electrodynamics	A. Zangwill	Cambridge	2012
A survey of computation physics	R. H. Landau, M. J. Pae	Princeton	2008
Properties of materials – Anisotropy, Symmetry, Structure	Robert E. Newnham	Oxford	2005
Solid state physics	G. Grosso, G. P. Parrav	Academic Press	2014
Phase transitions in materials	Brent Fultz	Cambridge	2014
Physical properties of materials	M. A. White	CRC Press	2012
Delta functions – Introduction to generalised functions	R. F. Hoskins	Woodhead	2009
Principles of condensed matter physics	P.M. Chaikin, T.C. Lube	Cambridge University Pre:	1995
Electronic structure : basic theory and practical methods	Richard M. Martin	Cambridge University Pre:	2008
Solid state physics	C. Kittel	Wiley	1976
Group theory - Application fo the physics of condensed matti	Mildred S. Dresselhaus,	Springer	2010

ENCYCLOPEDIAS

Handbooks 1	Kronmüller / Parkin	Wiley VCH	2007
Handbooks 2	Kronmüller / Parkin		2007
Handbooks 3	Kronmüller / Parkin		2007
Handbooks 4	Kronmüller / Parkin		2007
Handbooks 5	Kronmüller / Parkin		2007

GENERAL MAGNETISM

Simple models in Magnetism	Skomsky	Oxford University Press (C	2008
Magnetism – Fundamentals	Du Tremolet de la Cheis	Springer	2005
Magnetism – Materials annd applications	Du Tremolet de la Cheis	Springer	2005
Introduction to magnetic materials	Cullity	Addison Wesley	1972
Magnetism	Stöhr	Springer	2007
Magnetism	J. M. Coey	Oxford	
Magnetism in condensed matter	Blundell	Oxford	2001
Effective field theories of magnetism	J. S. Smart	Saunders company	1966
Magnetism – A very short introduction	Stephen Blundell	Oxford	2012
Modern Magnetic Materials – Principles and applications	Robert C. O'Handley	Wiley	2000
Physics of magnetism and magnetic materials	K. H. J. Buschow, F. R.	Kluwer Acedemic	2003
Fundamentals and applications of magnetic materials	Kannan M. Krishnan	Oxford	2016

FOCUSED ASPECTS OF MAGNETISM

Magnetic hysteresis	E. Della Torre	IEEE Press	1999
Magnetostriction – Theory and applications	E. du Tremolet de la Ch	CRC Press	1993
Magnetostatic principles in ferromagnetism	W. F. Brown	North Holland	1962
Magnetic oscillations in metals	D. Schoenberg	Cambridge	1984
Magnetic anisotropies in nanostructured matter	P. Weinberger	CRC Press	2009
Mathematical models of hysteresis and their applications	I. Mayergoyz	Elsevier	2003
Spin waves – Theory and applications	D. D. Stancil and A. Pra	Springer	2009
Frustrated spin systems	H. T. Diep Editor	World scientific	2004
Introduction fo frustrated magnetism	C. Lacroix, P. Mendels, F. Mila		2011

MATERIALS

The Iron-Nickel Alloys	Béranger et al	Lavoisier Publishing	
The magnetocaloric effects and its applications	A. L. Tishin and Y. I. Sp loP		2003
Permanent magnetism	R. Skomsky and J. M. C	Taylor and Francis	1999
Magnetic oxides	G. F. Dionne	Springer	2009
Topological Insulators – Fundamentals and perspectives	F. Ortman, S. Roche, S	Wiley	2015

NANOMAGNETISM AND SPINTRONICS

Advanced magnetic nanostructures	Sellmyer	Springer	
Ultrathin magn structures I	Heinrich	Springer	
Ultrathin structure II	Heinrich	Springer	
Ultrathin magn structures III	Heinrich	Springer	
Ultrathin structure IV	Bland	Springer	
Magnetoelectronics	Johnson	Elsevier	
Introduction to surface magnetism	Kaneyoshi	CRC Press	1991
Introduction ferromagnetism	A. Aharoni	Oxord	2000

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Concepts in Spin electronics	Maekawa	Oxford	2006
Spin dynamics in confined magnetic structures –1	Hillebrands Ed.	Springer	2002
Spin dynamics in confined magnetic structures –2	Hillebrands Ed.	Springer	2003
Spin dynamics in confined magnetic structures –3	Hillebrands Ed.	Springer	2006
Principles of nanomagnetism	Guimares	Springer	2009
Magnetic domains	A. Hubert & R. Schäfer	Springer	2000
Spin current	S. Maekawa, S. O. Vale	Oxford	2013
Nanomagnetism and spintronics	T. Shinjo Ed.	Elsevier	2009
Handbook of spin transport and magnetism	Evgeny Y. Tsymbal and	CRC Press	2012
Magnetoresistance in metals	A. B. Pippard	Cambridge	1989
Atomic Spin Dynamics	Olle Eriksson, A. Bergm	Oxford	2017
Skyrmions - Topological structures, properties, and applicati	J Ping Liu, Zhidong Zha	CRC Press	2017

TECHNIQUES

Magnetic microscopy of nanostructures	Oepen	Springer	2005
Magnetism and synchrotron radiation	Beaurepaire Ed.	Springer	2010
Modern techniques for characterizing magnetic materials	Y. Zhu	Springer	2005
Handbook of magnetic measurements	S. Tumanski	CRC Press	2011
Nuclear Magnetic Resonance	E. R. Andrew	Cambridge	1969
Surface microscopy with low-energy electrons	Ernst Bauer	Springer	2014
Handbook of nanoscopy vol.1	Gustaaf Van Tendeloo,	Wiley	2012
Handbook of nanoscopy vol.2	Gustaaf Van Tendeloo,	Wiley	2012
Microwave engineering	David M. Pozar	Wiley	2012
Neutron and X-ray Spectroscopy	F. Hippert	Springer	2006

APPLICATIONS AND DEVICES

GMR devices	Hirota	Springer	2003
The Physics of magnetic recording	M. L. Plumer et al. Ed	Springer	2001

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Magnetic Memory – Fundamentals and technology	D. D. Tang, Y. J. Lee	Cambridge	2010
Introduction to magnetic random-access memory	B. Diény, R. B. Goldfarb	IEEE Press-Wiley	2017
Next generation spin torque memories	Brajesh Kumar Kaushik	Springer	2017
Magnetic actuators and sensors	John R. Brauer	IEEE Press-Wiley	2014