

APPENDIX D: STANDARD ABBREVIATIONS

The following abbreviations (and acronyms) may be used without explanation. Any other should be defined when first introduced in manuscript.

alternating-current	ac	electromotive force	emf
altitude	alt	electron paramagnetic resonance	EPR
anno Domini	A.D.	electron spin resonance	ESR
ante meridiem	a.m.	equation	Eq.
antilogarithm	antilog	equations	Eqs.
aperture ratio 16	$f/16$	error function	erf
approximate (in subscript)	approx	error function (complement of)	erfc
arcsecant	arccsc	estimated standard deviation	e.s.d.
arccosine	arccos	<i>et alii</i> (and others)	<i>et al.</i>
arccotangent	arccot	<i>exempli gratia</i> (for example)	e.g.
arcsecant	arcsec	experiment(al) (in subscript)	expt
arcsine	arcsin	exponential	e,exp
arctangent	arctan		
argument	arg	face-centered-cubic	fcc
audio-frequency	af	figure	Fig.
average (in subscript)	av	figures	Figs.
		frequency-modulation	FM
Bardeen-Cooper-Schrieffer	BCS		
body-centered-cubic	bcc	gradient	grad
boiling point	bp	gram-atom	g-at.
Boltzmann's constant	k, k_B	gram-atomic-weight	g.at. wt
calculated (in subscript)	calc	Hermitian conjugate	H.c.
center of mass	c.m.	hexagonal-close-packed	hcp
centimeter-gram-second (system)	cgs	high-frequency	hf
chapter	Chap.	hyperbolic cosecant	csch
chemically pure	cp	hyperbolic cosine	cosh
coefficient (in subscript)	coeff	hyperbolic cotangent	coth
cologarithm	colog	hyperbolic secant	sech
Company	Co.	hyperbolic sine	sinh
complex conjugate	c.c.	hyperbolic tangent	tanh
<i>confer</i> (compare)	cf.	hyperfine structure	hfs
confidence limits	C.L.		
constant	const	<i>ibidem</i> (in the same place)	<i>ibid.</i>
contact potential difference	cpd	<i>id est</i> (that is)	i.e.
continuous-wave	cw	imaginary part	Im
Corporation	Corp.	Incorporated	Inc.
cosecant	csc	inelastic (in subscript)	inel
cosine	cos	infrared	ir
cotangent	cot	inside diameter	i.d.
cubic	cu	intermediate frequency	if
curl	$\nabla \times$	International Critical Tables	ICT
deoxyribose nucleic acid	DNA	laboratory (in subscript)	lab
determinant	det	latitude	lat
deviation	dev	limit	lim
diameter	diam	linear combination of atomic orbitals	LCAO
direct-current	dc	logarithm	log
District of Columbia	D.C.	logarithm (natural, base e)	ln
divergence	div	longitudinal-acoustic	LA
		longitudinal-optic	LO
east	E		
edition	ed.	magnetomotive force	mmf
elastic (in subscript)	el	maximum	max

melting point	mp	secant	sec
meter-kilogram-second (system)	mks	section	Sec.
minimum	min	sections	Secs.
molecular orbital	MO	Series	Ser.
north	N	signum function	sgn
<i>nota bene</i> (mark well)	N.B.	sine	sin
not determined	N.D.	south	S
nuclear magnetic resonance	NMR	square	sq
number	No.	standard temperature and pressure	STP
observed (in subscript)	obs	Supplement	Suppl.
of order less than	$o()$	<i>Système International</i>	SI
of the order of	$O()$	tangent	tan
outside diameter	o.d.	theory, theoretical (in subscript)	theor
page	p.	total (in subscript)	tot
pages	pp.	trace	tr, Tr
Part	Pt.	transverse-acoustic	TA
post meridiem	p.m.	transverse-electric	TE
potential difference	PD	transverse-electromagnetic	TEM
probable error	pe	transverse-magnetic	TM
quantum chromodynamics	QCD	transverse-optic	TO
quantum electrodynamics	QED	ultrahigh-frequency	uhf
<i>quod erat demonstrandum</i> (which was to be demonstrated)	Q.E.D.	ultraviolet	uv
radio-frequency	rf	valence band	VB
random-phase approximation	RPA	versus	vs
real part	Re	<i>videlicet</i> (that is to say, namely)	viz.
reference	Ref.	Volume	Vol.
references	Refs.		
ribonucleic acid	RNA		
room temperature	RT	Wentzel-Kramers-Brillouin	WKB
root-mean-square	rms	west	W
