

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

altitude – alt

anno Domini – A.D.

ante meridiem – a.m.

antilogarithm – antilog

aperture ratio 16 – f/16

approximate (in subscript) – approx

arccosecant – arccsc

arccosine – arccos

arccotangent – arccot

arcsecant – arcsec

arcsine – arcsin

arctangent – arctan

argument – erg

audio-frequency – af

average (in subscript) – av

Bardeen-Cooper-Schrieffer – BCS

body-centered-cubic – bcc

boiling point – bp

Boltzmann's constant – k, kB

calculated (in subscript) – calc

center of mass – c.m.

centimeter–gram–second (system) – cgs

chapter – Chap.

chemically pure – cp

coefficient (in subscript) – coeff

cologarithm – colog

Company – Co.

complex conjugate – c.c.

confer (compare) – cf.

confidence limits – C.L.

constant – const

contact potential difference – cpd

continuous–wave – cw

Corporation – Corp.

cosecant – csc

cosine – cos

cotangent – cot

cubic – cu

curl – $\nabla \times$

deoxyribose nucleic acid – DNA

determinant – det

deviation – dev

diameter – diam

direct-current – dc

District of Columbia – D.C.

divergence – div

east – E

edition – ed.

elastic (in subscript) – el

electromotive force – emf

electron paramagnetic resonance – EPR

electron spin resonance – ESR

equation – Eq.

equations – Eqs.

error function – erf

error function (complement of) – erfc

estimated standard deviation – e.s.d.

et alii (and others) – et al.

exempli gratia(for example) – e.g.

experiment(al) (in subscript) – expt

exponential – e,exp

face-centered-cubic – fcc

figure – Fig.

figures – Figs.

frequency-modulation – FM

gradient – grad

gram-atom – g-at.

gram-atomic-weight – g.at. wt

Hermitian conjugate – H.c.

hexagonal-close-packed – hcp

high-frequency – hf

hyperbolic cosecant – csch

hyperbolic cosine – cosh

hyperbolic cotangent – coth

hyperbolic secant – sech

hyperbolic sine – sinh

hyperbolic tangent – tanh

hyperSne structure – hfs

ibidem (in the same place) – ibid.

id est (that is) – i.e.

imaginary part – Im

Incorporated – Inc.

inelastic (in subscript) – inel

infrared – ir

inside diameter – i.d.

intermediate frequency – if

International Critical Tables – ICT

laboratory (in subscript) – lab

latitude – lat

limit – lim

linear combination of atomic orbitals – LCAO

logarithm – log

logarithm (natural, base e) – ln

longitudinal-acoustic – LA

longitudinal-optic – LO

magnetomotive force – mmf

maximum – max

melting point – mp

meter-kilogram-second (system) – mks

minimum – min

molecular orbital – MO

north – N

nota bene (mark well) – N.B.

not determined – N.D.

nuclear magnetic resonance – NMR

number – No.

observed (in subscript) – obs

of order less than – o ()

of the order of – O()

outside diameter – o.d.

page – p.

pages – pp.

Part – Pt.

post meridiem – p.m.

potential difference – PD

probable error – pe

quantum chromodynamics – QCD

quantum electrodynamics – QED

quod erat demonstrandum (which was to be demonstrated) – Q.E.D.

radio-frequency – rf

random-phase approximation – RPA

real part – Re

reference – Ref. references – Refs.

ribonucleic acid – RNA

room temperature – RT

root-mean-square – rms

secant – sec

section – Sec.

sections – Secs.

Series – Ser.

signum function – sgn

sine – sin

south – S

square – sq

standard temperature and pressure – STP

Supplement – Suppl.

Systeme International – SI

tangent – tan

theory, theoretical (in subscript) – theor

total (in subscript) – tot

trace – tr, Tr

transverse-acoustic – TA

transverse-electric – TE

transverse-electromagnetic – TEM

transverse-magnetic – TM

transverse-optic – TO

ultrahigh-frequency – uhf

ultraviolet – uv

valence band – VB

versus – vs

videlicet (that is to say, namely) – viz.

Volume – Vol.

Wentzel-Kramers-Brillouin – WKB

west – W

