

単位表

量	SI 単位	併用単位
平面角	rad	1° (度), 1' (分), 1" (秒)
長さ	m	Å (オングストローム)
面積	m ²	a (アール), ha (ヘクタール)
体積	m ³	l, L (リットル = l が他と混同される恐れのある場合は L を用いる)
時間	s	min (分), h (時), d (日) [y (年) は不可]
回転速度	s ⁻¹	min ⁻¹
質量	kg	g (グラム), t (トン)
圧力	Pa	bar (バール) [Torr, atm. ゲージ圧は不可]
粘度	Pa s	P (ポアズ)
動粘度	m ² s ⁻¹	St (ストークス)
エネルギー	J	eV はジュールの単位で表記した後に併記の場合のみ可
温度差・間隔	K	°C
無効電力		var (ベール)
皮相電力		VA (ボルトアンペア)
音圧・音響		dB (デシベル)
モルエントロピー	J mol ⁻¹ K ⁻¹	[K の代わりに °C は不可]
組成 濃度	mol%	
含有率	mass%	ppm, wt%
	vol%	
放射能	Bq	Ci (キュリー)
吸収線量	Gy	rad (ラド)
照射線量	C kg ⁻¹	R (レントゲン)
線量当量	Sv	rem (レム)

接頭語一覧表

倍数	名称	記号
10 ¹⁸	エクサ	E
10 ¹⁶	ペタ	P
10 ¹²	テラ	T
10 ⁹	ギガ	G
10 ⁶	メガ	M
10 ³	キロ	k
10 ²	ヘクト	h
10	デカ	da
10 ⁻¹	デシ	d
10 ⁻²	センチ	c
10 ⁻³	ミリ	m
10 ⁻⁶	マイクロ	μ
10 ⁻⁹	ナノ	n
10 ⁻¹²	ピコ	p
10 ⁻¹⁵	フェムト	f
10 ⁻¹⁸	アト	a

参考基準キーワード一覧

Production and Fabrication: Process and Equipment

agglomeration
coking
continuous casting
cooling
direct reduction
drawing
forging
forming
foundry
heat treatment
heating
hot metal treatment
ingot making
ironmaking
painting
powder metallurgy
press forming
protective coating
rolling
secondary steelmaking
steelmaking
thermo-mechanical treatment
welding

Materials and Products

alloying element
bar and rod
carbon steel
cast iron
castings
ceramics
coal
coke

cold rolled product
composite material
electrical steel
ferroalloy
forgings
fuel
high carbon steel
high strength low alloy steel
hot rolled product
iron ore
low alloy steel
low carbon steel
medium carbon steel
nonferrous metal
plate
precoated product
refractory
semi-finished steel
shapes
slag
stainless steel
steel for elevated temperature service
steel for low temperature service
structural steel
superalloy
titanium base alloy
tool steel
tubular product
ultrahigh strength steel
welded tubular product
wire

Metallurgy and Metallography

crystal plasticity
crystal structure
diffusion
grain boundary
grain size
inclusion
interface
ladle metallurgy
lattice defect
metallography
metallurgical constituent
microscopy
phase diagram
phase transformation
physical chemistry
plastic deformation
precipitation
recrystallization
segregation
solid solution
solidification
texture

Property and Service Characteristics

chemical property
corrosion
corrosion resistance
creep
ductility
fatigue
formability
fracture

hardenability
machinability
oxidation
physical property
strength
toughness
wear
weldability
Instrumentation, Testing, Chemical Analysis and Management

automation
computer
economy
element analysis
energy
environmental control
lubrication
maintenance
mechanical testing
modelling
nondestructive inspection
phase analysis
process control
production control
quality control
sampling
sensor
separation
simulation
surface analysis
utilities