



QUANTITY	UNIT	SYMBOL
Length	meter	m
Mass	kilogram	kg
Time	second	5
Temperature	kelvin	К
Electric current	ampere	Α
Amount of substance	mole	mol
Luminous intensity	candela	cd
	QUANTITY Length Mass Time Temperature Electric current Amount of substance Luminous intensity	QUANTITYUNITLengthmeterMasskilogramTimesecondTemperaturekelvinElectric currentampereAmount of substancemoleLuminous intensitycandela

ABLE 4 Derived Dimension	ns and SI Uni	its with Specific Na	mes			
Frequency	Hz	hertz	s ⁻¹			
Force	N	newton	kg • m • s ⁻²			
Pressure	Pa	pascal	$kg \cdot m^{-1} \cdot s^{-2}$			
Stress	Pa	pascal	$kg \cdot m^{-1} \cdot s^{-2}$			
Energy	J	joule	$kg \cdot m^2 \cdot s^{-2}$			
Work	J	joule	$kg \cdot m^2 \cdot s^{-2}$			
Heat	J	joule	kg \cdot m ² \cdot s ⁻²			
Power	w	watt	$kg \cdot m^2 \cdot s^{-3}$			
Electric charge	С	coulomb	A•s			
Electric potential (voltage)	v	volt	$kg \cdot m^2 \cdot s^{-3} \cdot A^{-1}$			
Electric resistance	Ω	ohm	$kg \cdot m^2 \cdot s^{-3} \cdot A^{-2}$			
Magnetic flux	Wb	weber	$kg^{-1} \cdot m \cdot s^{-2} \cdot A^{-1}$			
Luminous flux	lm	lumen	cd • sr			

ABLE 6 Standard Prefixes for SI Units						
MULTIPLE	EXPONENTIAL FORM	PREFIX	PREFIX SYMBO			
1,000,000,000,000	10 ¹²	tera	Т			
1,000,000,000	109	giga	G			
1,000,000	10^{6}	mega	М			
1,000	10^{3}	kilo	k			
0.01	10^{-2}	centi	с			
0.001	10^{-3}	milli	m			
0.000 001	10^{-6}	micro	μ			
0.000 000 001	10^{-9}	nano	n			
0.000 000 000 001	10-12	pico	р			





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