



Description	Name	Derivative	Integral	L	M	T	I	$\Theta$	N	J	rad	sr
· Compliance		Meter per Newton		0	-1	2	0	0	0	0	-	-
· Energy	$E$	Joule	Action	2	1	-2	0	0	0	0	-	-
· Heat Amount	$Q$	:		:								
· Enthalpy	$H$	:		:								
· Work	$W$	:		:								
· Action	$S$	Joule Second		2	1	-1	0	0	0	0	-	-
· Power	$P$	Watt	Energy	2	1	-3	0	0	0	0	-	-
· Energy Density	$\rho_E$	Joule per Cubic Meter	Dynamic Viscosity	-1	1	-2	0	0	0	0	-	-
· Power Density	$\rho_P$	Watt per Cubic Meter	Energy Density	-1	1	-3	0	0	0	0	-	-
· Specific Heat		Joule per Kilogram		2	0	-2	0	0	0	0	-	-
· Thermal Resistance		Kelvin per Watt		-2	-1	3	0	1	0	0	-	-
· Thermodynamic Force		Newton per Mole		1	1	-2	0	0	-1	0	-	-
· Thermal Conductivity	$k$	Watt per Meter Kelvin		1	1	-3	0	-1	0	0	-	-
· Thermodynamic Temperature	$T$	Kelvin		0	0	0	0	1	0	0	-	-
→ Temperature Difference		:		:								
· Thermal Expansion Coefficient	$\alpha$	Reciprocal Kelvin		0	0	0	0	-1	0	0	-	-
→ Altitude		Meter	Velocity	1	0	0	0	0	0	0	-	-
· Temperature Gradient		Kelvin per Meter		-1	0	0	0	1	0	0	-	-
· Specific Heat Capacity	$c$	Joule per Kilogram Kelvin		2	0	-2	0	-1	0	0	-	-
· Heat Capacity	$C_p$	Joule per Kelvin		2	1	-2	0	-1	0	0	-	-
· Entropy	$S$	:		:								
· Molar Heat Capacity	$c_m$	Joule per Kelvin Mole		2	1	-2	0	-1	-1	0	-	-
· Molar Energy	$\mu$	Joule per Mole		2	1	-2	0	0	-1	0	-	-
· Chemical Potential		:		:								
→ Torque	$\tau$	Newton Meter	Angular Momentum	2	1	-2	0	0	0	0	-	-
· Torsional Rigidity	$k$	Newton Meter per Radian		2	1	-2	0	0	0	0	-1	-
· Time	$t$	Second		0	0	1	0	0	0	0	-	-
· Frequency	$f$	Hertz		0	0	-1	0	0	0	0	-	-
· Frequency Drift		Hertz per Second	Frequency	0	0	-2	0	0	0	0	-	-
· Wavelength	$\lambda$	Meter	Speed of Wave	1	0	0	0	0	0	0	-	-
· Wavenumber	$v$	Reciprocal Meter		-1	0	0	0	0	0	0	-	-
· Solid Angle	$\Omega$	Steradian		0	0	0	0	0	0	0	-	1
· Luminous Intensity	$I_v$	Candela		0	0	0	0	0	0	1	-	-
· Luminous Flux	$\phi_v$	Lumen	Luminous Energy	0	0	0	0	0	0	1	-	1
· Luminous Energy	$Q_v$	Lumen Second		0	0	1	0	0	0	1	-	1
· Luminance	$L_v$	Candela per Square Meter		-2	0	0	0	0	0	1	-	-
· Illuminance	$E_v$	Lux	Luminous Exposure	-2	0	0	0	0	0	1	-	1
· Luminous Exposure	$H_v$	Lux Second		-2	0	1	0	0	0	1	-	1
· Luminous Efficacy	$\eta$	Lumen per Watt		-2	-1	3	0	0	0	1	-	1
· Electric Conductance	$G$	Siemens	Electric Capacitance	-2	-1	3	2	0	0	0	-	-
· Electric Admittance	$Y$	:		:								
· Capacitive Susceptance	$B$	:		:								
· Electric Conductivity	$\sigma$	Siemens per Meter	Electric Permittivity	-3	-1	3	2	0	0	0	-	-
· Electric Capacitance	$C$	Farad		-2	-1	4	2	0	0	0	-	-

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· Electric Permittivity	$\epsilon$	Farad per Meter		Electric Conductivity	-3	-1	4	2	0	0	0	-	-
· Molar Conductivity		Siemens Square Meter per Mole			0	-1	3	2	0	-1	0	-	-
· Electron Mobility	$\mu$	Square Meter per Volt Second		Elec. Mass Charge Dnsty.	0	-1	2	1	0	0	0	-	-
→ Heat Flux	$\vec{\phi}_q$	Watt per Cubic Meter	Energy Density		-1	1	-3	0	0	0	0	-	-
· Energy Flux Density	$\Phi$	Joule per Square Meter Second	Specific Heat		2	0	-3	0	0	0	0	-	-
· Electric Current	$I$	Ampere	Electric Charge		0	0	0	1	0	0	0	-	-
→ Electric Current Density	$\vec{J}$	Ampere per Square Meter	Elec. Surface Chg. Dnsty.		-2	0	0	1	0	0	0	-	-
· Electric Charge	$Q$	Coulomb		Electric Current	0	0	1	1	0	0	0	-	-
· Electric Surface Charge Density	$\sigma$	Coulomb per Square Meter		Electric Current Density	-2	0	1	1	0	0	0	-	-
→ Polarization Density	$P$	:			:								
· Electric Charge Density	$\rho_Q$	Coulomb per Cubic Meter			-3	0	1	1	0	0	0	-	-
→ Electric Displacement Field	$D$	:			:								
· Electric Mass Charge Density		Coulomb per Kilogram	Electron Mobility		0	-1	1	1	0	0	0	-	-
· Molar Charge Density		Coulomb per Mole			0	0	1	1	0	-1	0	-	-
· Electric Potential Difference	$U$	Volt	Magnetic Flux		2	1	-3	-1	0	0	0	-	-
· Electromotive Force		:			:								
· Redox Potential		:			:								
→ Electric Field Strength	$\vec{E}$	Volt per Meter	Magnetic Flux Gradient		1	1	-3	-1	0	0	0	-	-
· Electric Field Strength Gradient		Volt per Square Meter	Magnetic Flux Density		0	1	-3	-1	0	0	0	-	-
· Electric Inductance	$L$	Henry		Electric Resistance	2	1	-2	-2	0	0	0	-	-
· Electric Resistance	$R$	Ohm ( $\Omega$ )	Electric Inductance		2	1	-3	-2	0	0	0	-	-
· Electric Impedance	$Z$	:			:								
· Electric Resistivity	$\rho$	Ohm Meter			3	1	-3	-2	0	0	0	-	-
· Pressure	$P$	Pascal	Dynamic Viscosity		-1	1	-2	0	0	0	0	-	-
⊗ Stress	$k$	:			:								
· Tensile Strength		:			:								
· Compressibility	$\beta$	Inverse Pascal			1	-1	2	0	0	0	0	-	-
· Dynamic Viscosity	$\eta$	Pascal Second	Linear Density	Pressure	-1	1	-1	0	0	0	0	-	-
→ Magnetization	$M$	Ampere per Meter			-1	0	0	1	0	0	0	-	-
· Magnetomotive Force	$\mathcal{F}$	Ampere Radian			0	0	0	1	0	0	0	1	-
· Magnetic Capacitvity	$C_M$	Henry		Electric Resistance	2	1	-2	-2	0	0	0	-	-
· Magnetic Reluctance	$\mathcal{R}$	Inverse Henry	Electric Conductance		-2	-1	2	2	0	0	0	-	-
· Magnetic Permeability	$\mu$	Henry per Meter			1	1	-2	-2	0	0	0	-	-
· Magnetic Volume Susceptibility		Meter per Henry			-1	-1	2	2	0	0	0	-	-
· Magnetic Impedance	$z_M$	Inverse Ohm			:								
· Magnetic Effective Resistance	$r_M$	:			:								
· Magnetic Inductance	$L_M$	:			:								
· Magnetic Flux	$\Phi_B$	Weber		Elec. Pot. Difference	2	1	-2	-1	0	0	0	-	-
· Magnetic Flux Gradient		Weber per Meter		Electric Field Strength	1	1	-2	-1	0	0	0	-	-
· Magnetic Vector Potential		:			:								
→ Magnetic Moment	$m$	Weber Meter			3	1	-2	-1	0	0	0	-	-
→ Magnetic Flux Density	$B$	Tesla		Elec. Field Strength Grad.	0	1	-2	-1	0	0	0	-	-

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· Magnetic Induction Gradient	Tesla per Meter			-1	1	-2	-1	0	0	0	-	-
· Magnetic Rigidity	$B\rho$ Tesla Meter			:								
· Half life	$t_{1/2}$ Second			0	0	1	0	0	0	0	-	-
· Radioactivity	$A$ Becquerel			0	0	-1	0	0	0	0	-	-
· Absorbed Dose	$D$ Gray		Absorbed Dose Rate	2	0	-2	0	0	0	0	-	-
· Absorbed Dose Equivalent	$H$ Sievert			:								
· Absorbed Dose Rate	$\dot{D}$ Gray per Second	Absorbed Dose		2	0	-3	0	0	0	0	-	-
· Radiant Flux	$\Phi_e$ Watt	Energy		2	1	-3	0	0	0	0	-	-
· Radiant Exposure	$H_e$ Joule per Square Meter		Irradiance	0	1	-2	0	0	0	0	-	-
· Radiant Intensity	$I_e$ Watt per Steradian			2	1	-3	0	0	0	0	-	-1
· Spectral Intensity	$I_{e\lambda}$ Watt per Steradian Meter			1	1	-3	0	0	0	0	-	-1
· Radiance	$L_e$ Watt per Steradian Square Meter			0	1	-3	0	0	0	0	-	-1
· Spectral Radiance	$L_{e\lambda}$ Watt per Steradian Cubic Meter			-1	1	-3	0	0	0	0	-	-1
· Spectral Power	$\Phi_{e\lambda}$ Watt per Meter	Force		1	1	-3	0	0	0	0	-	-
→ Irradiance	$\bar{E}_e$ Watt per Square Meter	Radiant Exposure		0	1	-3	0	0	0	0	-	-
· Spectral Irradiance	$E_{e\lambda}$ Watt per Cubic Meter	Energy Density		-1	1	-3	0	0	0	0	-	-