Medium set of SRSD-Feynman datasets. C: Constant, V: Variable, F: Float, I: Integer, P: Positive, N: Negative, NN: Non-Negative, I⋆: Integer treated as float due to the capacity of 32-bit integer, $\mathcal{U}$: Uniform distribution, $\mathcal{U}_{\log}$: Log-Uniform distribution.

Eq. ID	Formula	Symbols		SI Derived Unit	SI Unit	Properties		Distributions	
						Original	Ours	Original	Ours
I.8.14	$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$	d	Distance	m	m	V, F	V, F, NN	N/A	N/A
		x_2	Position	m	m	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		x_1	Position	m	m	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		y_2	Position	m	m	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		y_1	Position	m	m	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
I.10.7	$m = \frac{m_0}{\sqrt{1-\frac{v^2}{c^2}}}$	m	Mass	kg	kg	V, F	V, F, P	N/A	N/A
		m_0	Invariant mass	kg	kg	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		v	Velocity	m/s	$m \cdot s^{-1}$	V, F	V, F, P	$\mathcal{U}(1,2)$	$\mathcal{U}_{\log}(10^{5}, 10^{8})$
		c	Speed of light	m/s	$m \cdot s^{-1}$	V, F	C, F, P	$\mathcal{U}(3,10)$	2.998×10^{8}
I.11.19	$A = x_1 y_1 + x_2 y_2 + x_3 y_3$	A	Inner product	1	1	V, F	V, F	N/A	N/A
		x_1	Element of a vector	1	1	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		y_1	Element of a vector	1	1	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		x_2	Element of a vector	1	1	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		y_2	Element of a vector	1	1	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		x_3	Element of a vector	1	1	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		y_3	Element of a vector	1	1	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
I.12.2	$F = \frac{q_1 q_2}{4\pi\epsilon r^2}$	F	Electrostatic force	N	$kg \cdot m \cdot s^{-2}$	V, F	V, F	N/A	N/A
		q_1	Electric charge	C	$s \cdot A$	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-3}, 10^{-1})$
		q_2	Electric charge	C	$s \cdot A$	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-3}, 10^{-1})$
		r	Distance	m	m	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-2}, 10^{0})$
		ϵ	Vacuum permittivity	F/m	$kg^{-1} \cdot m^{-3} \cdot s^4 \cdot A^2$	V, F	C, F, P	$\mathcal{U}(1,5)$	8.854×10^{-12}
I.12.11	$F = q\left(E + Bv\sin(\theta)\right)$	F	Force	N	$kg \cdot m \cdot s^{-2}$	V, F	V, F	N/A	N/A
		q	Electric charge	C	$s \cdot A$	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		E	Electric field	V/m	$kg \cdot m \cdot s^{-3} \cdot A^{-1}$	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		B	Magnetic field strength	T	$kg \cdot s^{-2} \cdot A^{-1}$	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		v	Velocity	m/s	$m \cdot s^{-1}$	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		θ	Angle	rad	1	V, F	V, F, NN	$\mathcal{U}(1,5)$	$\mathcal{U}(0, 2\pi)$
I.13.4	$K = \frac{1}{2}m(v^2 + u^2 + w^2)$	K	Kinetic energy	J	$kg \cdot m^2 \cdot s^{-2}$	V, F	V, F, P	N/A	N/A
		m	Mass	kg	kg	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-2}, 10^{0})$
		v	Element of velocity	m/s	$m \cdot s{-}1$	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		u	Element of velocity	m/s	$m \cdot s{-}1$	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		w	Element of velocity	m/s	$m \cdot s{-}1$	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
I.13.12	$U = Gm_1m_2\left(\frac{1}{r_2} - \frac{1}{r_1}\right)$	U	Potential energy	J	$kg \cdot m^2 \cdot s^{-2}$	V, F	V, F, P	N/A	N/A
		G	Gravitational constant	$m^3 \cdot kg^{-1} \cdot s^{-2}$	$kg^{-1} \cdot m^3 \cdot s^{-2}$	V, F	C, F, P	$\mathcal{U}(1,5)$	6.674×10^{-11}
		m_1	Mass (The Earth)	kg	kg	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-2}, 10^{0})$
		m_2	Mass	kg	kg	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-2}, 10^{0})$
		r_2	Distance	m	m	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-2}, 10^{0})$
		r_1	Distance	m	m	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-2}, 10^{0})$
I.15.10	$p = \frac{m_0 v}{\sqrt{1-v^2/c^2}}$	p	Relativistic momentum	$kg \cdot m/s$	$kg \cdot m \cdot s^{-1}$	V, F	V, F, P	N/A	N/A
		m_0	Rest Mass	kg	kg	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-2}, 10^{0})$
		v	Velocity	m/s	$m \cdot s^{-1}$	V, F	V, F	$\mathcal{U}(1,2)$	$\mathcal{U}_{\log}(10^{5}, 10^{7})$
		c	Speed of light	m/s	$m \cdot s^{-1}$	V, F	C, F, P	$\mathcal{U}(3,10)$	2.998×10^{8}
I.16.6	$v_1 = \frac{u+v}{1+uv/c^2}$	v_1	Velocity	m/s	$m \cdot s^{-1}$	V, F	V, F	N/A	N/A
		u	Velocity	m/s	$m \cdot s^{-1}$	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{6}, 10^{8})$
		v	Velocity	m/s	$m \cdot s^{-1}$	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{6}, 10^{8})$
		c	Speed of light	m/s	$m \cdot s^{-1}$	V, F	C, F, P	$\mathcal{U}(1,5)$	2.998×10^{8}
I.18.4	$r = \frac{m_1 r_1 + m_2 r_2}{m_1 + m_2}$	r	Center of gravity	m	m	V, F	V, F	N/A	N/A
		m_1	Mass	kg	kg	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		r_1	Position	m	m	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		m_2	Mass	kg	kg	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		r_2	Position	m	m	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
I.24.6	$E = \frac{1}{4}m(\omega^2 + \omega_0^2)x^2$	E	Energy	J	$kg \cdot m^2 \cdot s^{-2}$	V, F	V, F, P	N/A	N/A
		m	Mass	kg	kg	V, F	V, F, P	$\mathcal{U}(1,3)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		ω	Angular velocity	rad/s	s^{-1}	V, F	V, F	$\mathcal{U}(1,3)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		ω_0	Angular velocity	rad/s	s^{-1}	V, F	V, F	$\mathcal{U}(1,3)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		x	Position	m	m	V, F	V, F	$\mathcal{U}(1,3)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
I.29.4	$k = \frac{\omega}{c}$	k	Wavenumber	$1/m$	m^{-1}	V, F	V, F, P	N/A	N/A
		ω	Frequency of electromagnetic waves	rad/s	s^{-1}	V, F	V, F, P	$\mathcal{U}(1,10)$	$\mathcal{U}_{\log}(10^{9}, 10^{11})$
		c	Speed of light	m/s	$m \cdot s^{-1}$	V, F	C, F, P	$\mathcal{U}(1,10)$	2.998×10^{8}
I.32.5	$P = \frac{q^2 a^2}{6\pi\epsilon c^3}$	P	Radiant energy	W	$kg \cdot m^2 \cdot s^{-3}$	V, F	V, F, P	N/A	N/A
		q	Electric charge	C	$s \cdot A$	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-3}, 10^{-1})$
		a	Magnitude of direction vector	m/s^2	$m \cdot s^{-2}$	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{5}, 10^{7})$
		ϵ	Vacuum permittivity	F/m	$kg^{-1} \cdot m^{-3} \cdot s^4 \cdot A^2$	V, F	C, F, P	$\mathcal{U}(1,5)$	8.854×10^{-12}
		c	Speed of light	m/s	$m \cdot s^{-1}$	V, F	C, F, P	$\mathcal{U}(1,5)$	2.998×10^{8}
I.34.8	$\omega = \frac{qvB}{p}$	ω	Angular velocity	rad/s	s^{-1}	V, F	V, F	N/A	N/A
		q	Electric charge	C	$s \cdot A$	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-11}, 10^{-9})$
		v	Velocity	m/s	$m \cdot s^{-1}$	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{5}, 10^{7})$
		B	Magnetic field	T	$kg \cdot s^{-2} \cdot A^{-1}$	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{1}, 10^{3})$
		p	Angular momentum	$J \cdot s$	$kg \cdot m^2 \cdot s^{-1}$	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{9}, 10^{11})$
I.34.10	$\omega = \frac{\omega_0}{1-v/c}$	ω	Frequency of electromagnetic waves	rad/s	s^{-1}	V, F	V, F, P	N/A	N/A
		ω_0	Frequency of electromagnetic waves	rad/s	s^{-1}	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{9}, 10^{11})$
		v	Velocity	m/s	$m \cdot s^{-1}$	V, F	V, F	$\mathcal{U}(1,2)$	$\mathcal{U}_{\log}(10^{5}, 10^{7})$
		c	Speed of light	m/s	$m \cdot s^{-1}$	V, F	C, F, P	$\mathcal{U}(3,10)$	2.998×10^{8}
I.34.27	$W = \frac{h}{2\pi}\omega$	W	Energy	J	$kg \cdot m^2 \cdot s^{-2}$	V, F	V, F, P	N/A	N/A
		h	Planck constant	$J \cdot s$	$kg \cdot m^2 \cdot s^{-1}$	V, F	C, F, P	$\mathcal{U}(1,5)$	6.626×10^{-34}
		ω	Frequency of electromagnetic waves	$1/s$	s^{-1}	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{9}, 10^{11})$
I.38.12	$r = 4\pi\epsilon\frac{(h/(2\pi))^2}{mq^2}$	r	Bohr radius	m	m	V, F	V, F, P	N/A	N/A
		ϵ	Vacuum permittivity	F/m	$kg^{-1} \cdot m^{-3} \cdot s^4 \cdot A^2$	V, F	C, F, P	$\mathcal{U}(1,5)$	8.854×10^{-12}
		h	Planck constant	$J \cdot s$	$kg \cdot m^2 \cdot s^{-1}$	V, F	C, F, P	$\mathcal{U}(1,5)$	6.626×10^{-34}
		m	Mass	kg	kg	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-28}, 10^{-26})$
		q	Electric charge	C	$s \cdot A$	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-11}, 10^{-9})$
I.39.10	$U = \frac{3}{2}PV$	U	Internal energy	J	$kg \cdot m^2 \cdot s^{-2}$	V, F	V, F, P	N/A	N/A
		P	Pressure	Pa	$kg \cdot m^{-1} \cdot s^{-2}$	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{4}, 10^{6})$
		V	Volume	m^3	m^3	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-5}, 10^{-3})$
I.39.11	$U = \frac{PV}{\gamma - 1}$	U	Energy	J	$kg \cdot m^2 \cdot s^{-2}$	V, F	V, F	N/A	N/A
		γ	Heat capacity ratio	1	1	V, F	V, F, P	$\mathcal{U}(2,5)$	$\mathcal{U}(1,2)$
		P	Pressure	Pa	$kg \cdot m^{-1} \cdot s^{-2}$	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{4}, 10^{6})$
		V	Volume	m^3	m^3	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-5}, 10^{-3})$
I.43.31	$D = \mu kT$	D	Diffusion coefficient	m^2/s	$m^2 \cdot s^{-1}$	V, F	V, F, P	N/A	N/A
		μ	Viscosity	$Pa \cdot s$	$kg \cdot m^{-1} \cdot s^{-1}$	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{13}, 10^{15})$
		k	Boltzmann constant	J/K	$kg \cdot m^2 \cdot s^{-2} \cdot K^{-1}$	V, F	C, F, P	$\mathcal{U}(1,5)$	1.381×10^{-23}
		T	Temperature	K	K	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{1}, 10^{3})$
I.43.43	$\kappa = \frac{1}{\gamma - 1}\frac{kv}{\sigma_c}$	κ	Thermal conductivity	$W/(m \cdot K)$	$kg \cdot m \cdot s^{-3} \cdot K^{-1}$	V, F	V, F, P	N/A	N/A
		γ	Heat capacity ratio	1	1	V, F	V, F, P	$\mathcal{U}(2,5)$	$\mathcal{U}(1,2)$
		k	Boltzmann constant	J/K	$kg \cdot m^2 \cdot s^{-2} \cdot K^{-1}$	V, F	C, F, P	$\mathcal{U}(1,5)$	1.381×10^{-23}
		v	Velocity	m/s	$m \cdot s^{-1}$	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{2}, 10^{4})$
		σ_c	Molecular collision cross section	m^2	m^2	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-21}, 10^{-19})$
I.48.2	$E = \frac{mc^2}{\sqrt{1-v^2/c^2}}$	E	Energy	J	$kg \cdot m^2 \cdot s^{-2}$	V, F	V, F, P	N/A	N/A
		m	Mass	kg	kg	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-29}, 10^{-27})$
		c	Speed of light	m/s	$m \cdot s^{-1}$	V, F	C, F, P	$\mathcal{U}(3,10)$	2.998×10^{8}
		v	Velocity	m/s	$m \cdot s^{-1}$	V, F	V, F, P	$\mathcal{U}(1,2)$	$\mathcal{U}_{\log}(10^{6}, 10^{8})$
II.6.11	$\phi = \frac{1}{4\pi\epsilon}\frac{p\cos\theta}{r^2}$	ϕ	Electric potential	V	$kg \cdot m^2 \cdot s^{-3} \cdot A^{-1}$	V, F	V, F	N/A	N/A
		ϵ	Vacuum permittivity	F/m	$kg^{-1} \cdot m^{-3} \cdot s^4 \cdot A^2$	V, F	C, F, P	$\mathcal{U}(1,3)$	8.854×10^{-12}
		p	Electric dipole moment	$C \cdot m$	$m \cdot s \cdot A$	V, F	V, F	$\mathcal{U}(1,3)$	$\mathcal{U}_{\log}(10^{-22}, 10^{-20})$
		θ	Angle	rad	1	V, F	V, F, NN	$\mathcal{U}(1,3)$	$\mathcal{U}(0, 2\pi)$
		r	Distance	m	m	V, F	V, F, P	$\mathcal{U}(1,3)$	$\mathcal{U}_{\log}(10^{-10}, 10^{-8})$
II.8.7	$U = \frac{3}{5}\frac{Q^2}{4\pi\epsilon a}$	U	Energy	J	$kg \cdot m^2 \cdot s^{-2}$	V, F	V, F	N/A	N/A
		Q	Electric charge	C	$s \cdot A$	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-11}, 10^{-9})$
		ϵ	Vacuum permittivity	F/m	$kg^{-1} \cdot m^{-3} \cdot s^4 \cdot A^2$	V, F	C, F, P	$\mathcal{U}(1,5)$	8.854×10^{-12}
		a	Radius	m	m	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-12}, 10^{-10})$
II.11.3	$x = \frac{qE}{m(\omega_0^2 - \omega^2)}$	x	Position	m	m	V, F	V, F	N/A	N/A
		q	Electric charge	C	$s \cdot A$	V, F	V, F	$\mathcal{U}(1,3)$	$\mathcal{U}_{\log}(10^{-11}, 10^{-9})$
		E	Magnitude of electric field	V/m	$kg \cdot m \cdot s^{-3} \cdot A^{-1}$	V, F	V, F, P	$\mathcal{U}(1,3)$	$\mathcal{U}_{\log}(10^{-9}, 10^{-7})$
		m	Mass	kg	kg	V, F	V, F, P	$\mathcal{U}(1,3)$	$\mathcal{U}_{\log}(10^{-28}, 10^{-26})$
		ω_0	Angular velocity	rad/s	s^{-1}	V, F	V, F	$\mathcal{U}(3,5)$	$\mathcal{U}_{\log}(10^{9}, 10^{11})$
		ω	Angular velocity	rad/s	s^{-1}	V, F	V, F	$\mathcal{U}(1,2)$	$\mathcal{U}_{\log}(10^{9}, 10^{11})$
II.21.32	$\phi = \frac{q}{4\pi\epsilon r(1-v/c)}$	ϕ	Electric potential	V	$kg \cdot m^2 \cdot s^{-3} \cdot A^{-1}$	V, F	V, F	N/A	N/A
		q	Electric charge	C	$s \cdot A$	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-3}, 10^{-1})$
		ϵ	Vacuum permittivity	F/m	$kg^{-1} \cdot m^{-3} \cdot s^4 \cdot A^2$	V, F	C, F, P	$\mathcal{U}(1,5)$	8.854×10^{-12}
		r	Distance	m	m	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{0}, 10^{2})$
		v	Velocity	m/s	$m \cdot s^{-1}$	V, F	V, F, P	$\mathcal{U}(1,2)$	$\mathcal{U}_{\log}(10^{5}, 10^{7})$
		c	Speed of light	m/s	$m \cdot s^{-1}$	V, F	C, F, P	$\mathcal{U}(3,10)$	2.998×10^{8}
II.34.2	$\mu = \frac{qvr}{2}$	μ	Magnetic moment	J/T	$m^2 \cdot A$	V, F	V, F	N/A	N/A
		q	Electric charge	C	$s \cdot A$	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-11}, 10^{-9})$
		v	Velocity	m/s	$m \cdot s^{-1}$	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{5}, 10^{7})$
		r	Radius	m	m	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-11}, 10^{-9})$
II.34.2a	$I = \frac{qv}{2\pi r}$	I	Electric Current	A	A	V, F	V, F	N/A	N/A
		q	Electric charge	C	$s \cdot A$	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-11}, 10^{-9})$
		v	Velocity	m/s	$m \cdot s^{-1}$	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{5}, 10^{7})$
		r	Radius	m	m	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-11}, 10^{-9})$
II.34.29a	$\mu = \frac{qh}{4\pi m}$	μ	Bohr magneton	J/T	$m^2 \cdot A$	V, F	V, F	N/A	N/A
		q	Electric charge	C	$s \cdot A$	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-11}, 10^{-9})$
		h	Planck constant	$J \cdot s$	$kg \cdot m^2 \cdot s^{-1}$	V, F	C, F, P	$\mathcal{U}(1,5)$	6.626×10^{-34}
		m	Mass	kg	kg	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-30}, 10^{-28})$
II.37.1	$E = \mu(1+\chi)B$	E	Energy of magnetic field	J	$kg \cdot m^2 \cdot s^{-2}$	V, F	V, F	N/A	N/A
		μ	Magnetic moment	J/T	$m^2 \cdot A$	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-25}, 10^{-23})$
		χ	Volume magnetic susceptibility	1	1	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{4}, 10^{6})$
		B	Magnetic field strength	T	$kg \cdot s^{-2} \cdot A^{-1}$	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-3}, 10^{-1})$
III.4.32	$n = \frac{1}{\exp(h\omega/2\pi kT)-1}$	n	Average number of photons	1	1	V, F	V, F, P	N/A	N/A
		h	Planck constant	$J \cdot s$	$kg \cdot m^2 \cdot s^{-1}$	V, F	C, F, P	$\mathcal{U}(1,5)$	6.626×10^{-34}
		ω	Frequency	rad/s	s^{-1}	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{8}, 10^{10})$
		k	Boltzmann constant	J/K	$kg \cdot m^2 \cdot s^{-2} \cdot K^{-1}$	V, F	C, F, P	$\mathcal{U}(1,5)$	1.381×10^{-23}
		T	Temperature	K	K	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{1}, 10^{3})$
III.8.54	$\lvert C\rvert^2 = \sin^2\left(\frac{2\pi At}{h}\right)$	$\lvert C\rvert^2$	Probability	1	1	V, F	V, F, NN	N/A	N/A
		A	Energy	J	$kg \cdot m^2 \cdot s^{-2}$	V, F	V, F	$\mathcal{U}(1,2)$	$\mathcal{U}_{\log}(10^{-18}, 10^{-16})$
		t	Time	s	s	V, F	V, F, NN	$\mathcal{U}(1,2)$	$\mathcal{U}_{\log}(10^{-18}, 10^{-16})$
		h	Planck constant	$J \cdot s$	$kg \cdot m^2 \cdot s^{-1}$	V, F	C, F, P	$\mathcal{U}(1,4)$	6.626×10^{-34}
III.13.18	$v = \frac{4\pi Ab^2}{h}k$	v	Speed of the waves	m/s	$m \cdot s^{-1}$	V, F	V, F	N/A	N/A
		A	Energy	J	$kg \cdot m^2 \cdot s^{-2}$	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-18}, 10^{-16})$
		b	Lattice constant	m	m	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-10}, 10^{-8})$
		k	Wavenumber	$1/m$	m^{-1}	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		h	Planck constant	$J \cdot s$	$kg \cdot m^2 \cdot s^{-1}$	V, F	C, F, P	$\mathcal{U}(1,5)$	6.626×10^{-34}
III.14.14	$I = I_0\left(\exp\left(q\Delta V/\kappa T\right) - 1\right)$	I	Electric Current	A	A	V, F	V, F	N/A	N/A
		I_0	Electric current	A	A	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-3}, 10^{-1})$
		q	Electric charge	C	$s \cdot A$	V, F	V, F, P	$\mathcal{U}(1,2)$	$\mathcal{U}_{\log}(10^{-22}, 10^{-20})$
		ΔV	Voltage	V	$kg \cdot m^2 \cdot s^{-3} \cdot A^{-1}$	V, F	V, F	$\mathcal{U}(1,2)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		κ	Boltzmann constant	J/K	$kg \cdot m^2 \cdot s^{-2} \cdot K^{-1}$	V, F	C, F, P	$\mathcal{U}(1,2)$	1.381×10^{-23}
		T	Temperature	K	K	V, F	V, F, P	$\mathcal{U}(1,2)$	$\mathcal{U}_{\log}(10^{1}, 10^{3})$
III.15.12	$E = 2A\left(1 - \cos(kd)\right)$	E	Energy	J	$kg \cdot m^2 \cdot s^{-2}$	V, F	V, F, P	N/A	N/A
		A	Amplitude	J	$kg \cdot m^2 \cdot s^{-2}$	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-18}, 10^{-16})$
		k	Propagation coefficient	$1/m$	m^{-1}	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-1}, 10^{1})$
		d	Lattice constant	m	m	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-10}, 10^{-8})$
III.15.14	$m = \frac{h^2}{8\pi^2 Ab^2}$	m	Effective mass	kg	kg	V, F	V, F, P	N/A	N/A
		h	Planck constant	$J \cdot s$	$kg \cdot m^2 \cdot s^{-1}$	V, F	C, F, P	$\mathcal{U}(1,5)$	6.626×10^{-34}
		A	Amplitude	m/s	$m \cdot s^{-1}$	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-18}, 10^{-16})$
		b	Lattice constant	m	m	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-10}, 10^{-8})$
III.17.37	$f = \beta(1 + \alpha\cos\theta)$	f	Distribution	1	1	V, F	V, F	N/A	N/A
		β	Variable	1	1	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-18}, 10^{-16})$
		α	Variable	1	1	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-18}, 10^{-16})$
		θ	Angle	rad	1	V, F	V, F, NN	$\mathcal{U}(1,5)$	$\mathcal{U}(0, 2\pi)$
III.19.51	$E = -\frac{mq^4}{2(4\pi\epsilon)^2(h/(2\pi))^2 n^2}$	E	Energy	J	$kg \cdot m^2 \cdot s^{-2}$	V, F	V, F, P	N/A	N/A
		m	Mass	kg	kg	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-30}, 10^{-28})$
		q	Electric charge	C	$s \cdot A$	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{-11}, 10^{-9})$
		ϵ	Vacuum permittivity	F/m	$kg^{-1} \cdot m^{-3} \cdot s^4 \cdot A^2$	V, F	C, F, P	$\mathcal{U}(1,5)$	8.854×10^{-12}
		h	Planck constant	$J \cdot s$	$kg \cdot m^2 \cdot s^{-1}$	V, F	C, F, P	$\mathcal{U}(1,5)$	6.626×10^{-34}
		n	Number of protons	1	1	V, F	V, I,P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{0}, 10^{2})$
B8	$U = \frac{E}{1+\frac{E}{mc^2}(1-\cos\theta)}$	U	Energy	J	J	V, F	V, F, P	N/A	N/A
		E	Electromagnetic energy	J	$kg \cdot m^2 \cdot s^{-2}$	V, F	V, F, P	$\mathcal{U}(1,3)$	$\mathcal{U}_{\log}(10^{-24}, 10^{-22})$
		m	Electron mass	kg	kg	V, F	C, F, P	$\mathcal{U}(1,3)$	9.109×10^{-31}
		c	Speed of light	m/s	$m \cdot s^{-1}$	V, F	C, F, P	$\mathcal{U}(1,3)$	2.998×10^{8}
		θ	Incidence angle	rad	1	V, F	V, F	$\mathcal{U}(1,3)$	$\mathcal{U}(-\pi, \pi)$
B18	$\rho = \frac{3}{8\pi G}\left(\frac{c^2 k_f}{a_f^2} + H^2\right)$	ρ	Density	kg/m^3	$kg \cdot m^{-3}$	V, F	V, F	N/A	N/A
		G	Gravitational constant	$m^3 \cdot kg^{-1} \cdot s^{-2}$	$kg^{-1} \cdot m^3 \cdot s^{-2}$	V, F	C, F, P	$\mathcal{U}(1,5)$	6.674×10^{-11}
		c	Speed of light	m/s	$m \cdot s^{-1}$	V, F	C, F, P	$\mathcal{U}(1,5)$	2.998×10^{8}
		k_f	Curvature of the Universe	$1/m^2$	m^{-2}	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{1}, 10^{3})$
		a_f	Distance	m	m	V, F	V, F, P	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{8}, 10^{10})$
		H	Hubble's constant	$1/s$	s^{-1}	V, F	V, F	$\mathcal{U}(1,5)$	$\mathcal{U}_{\log}(10^{0}, 10^{2})$