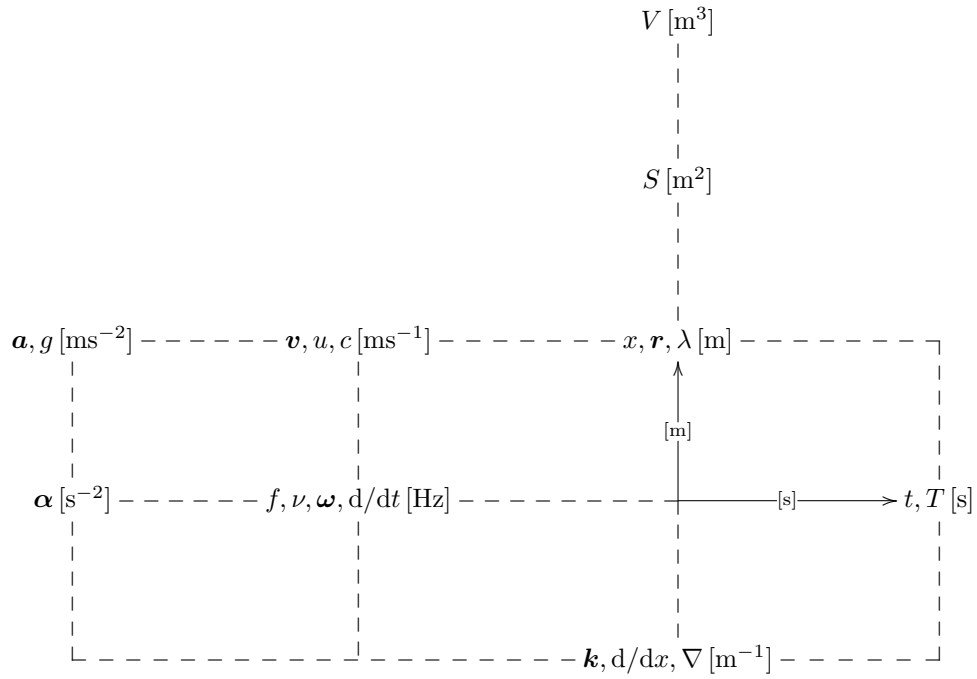
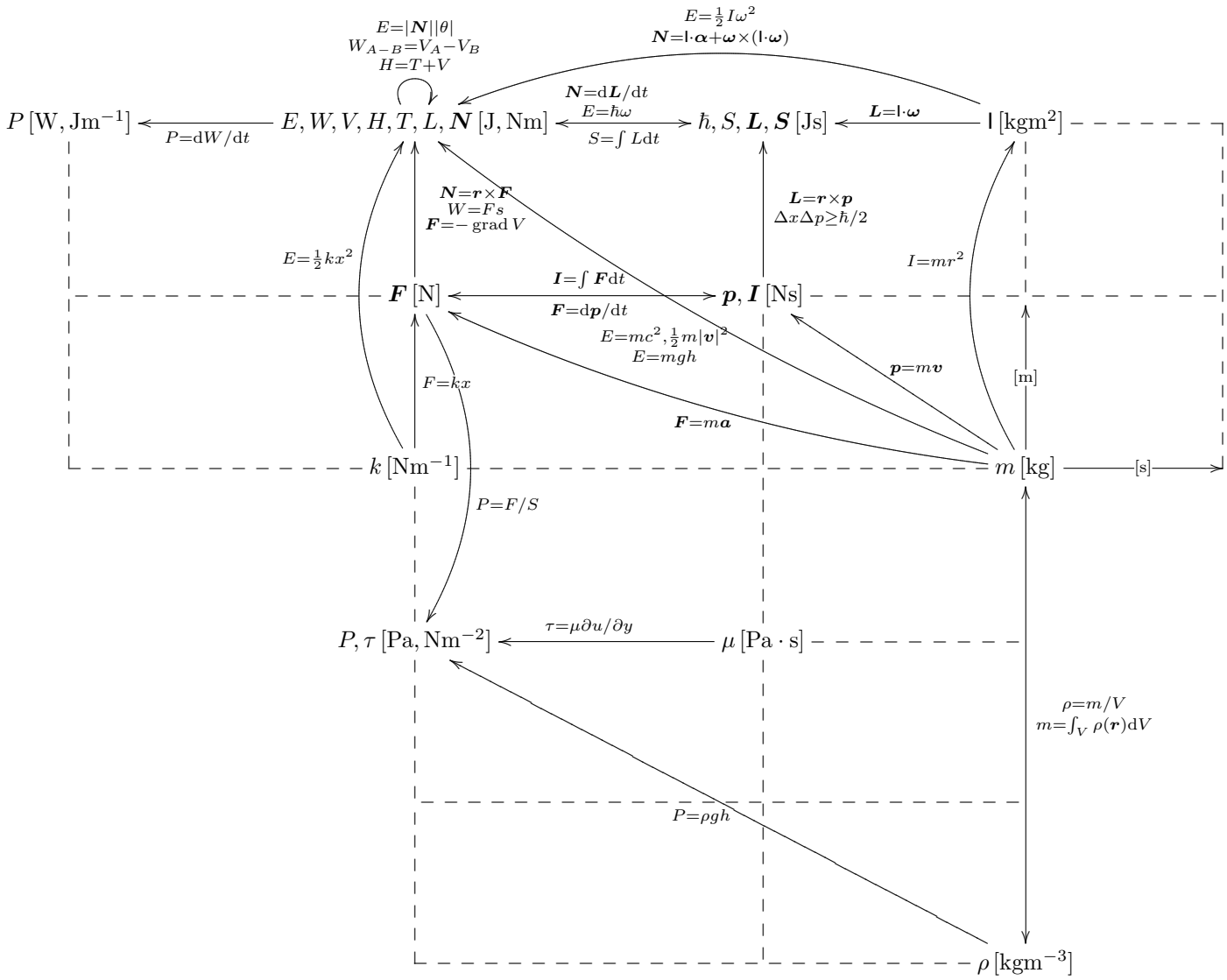
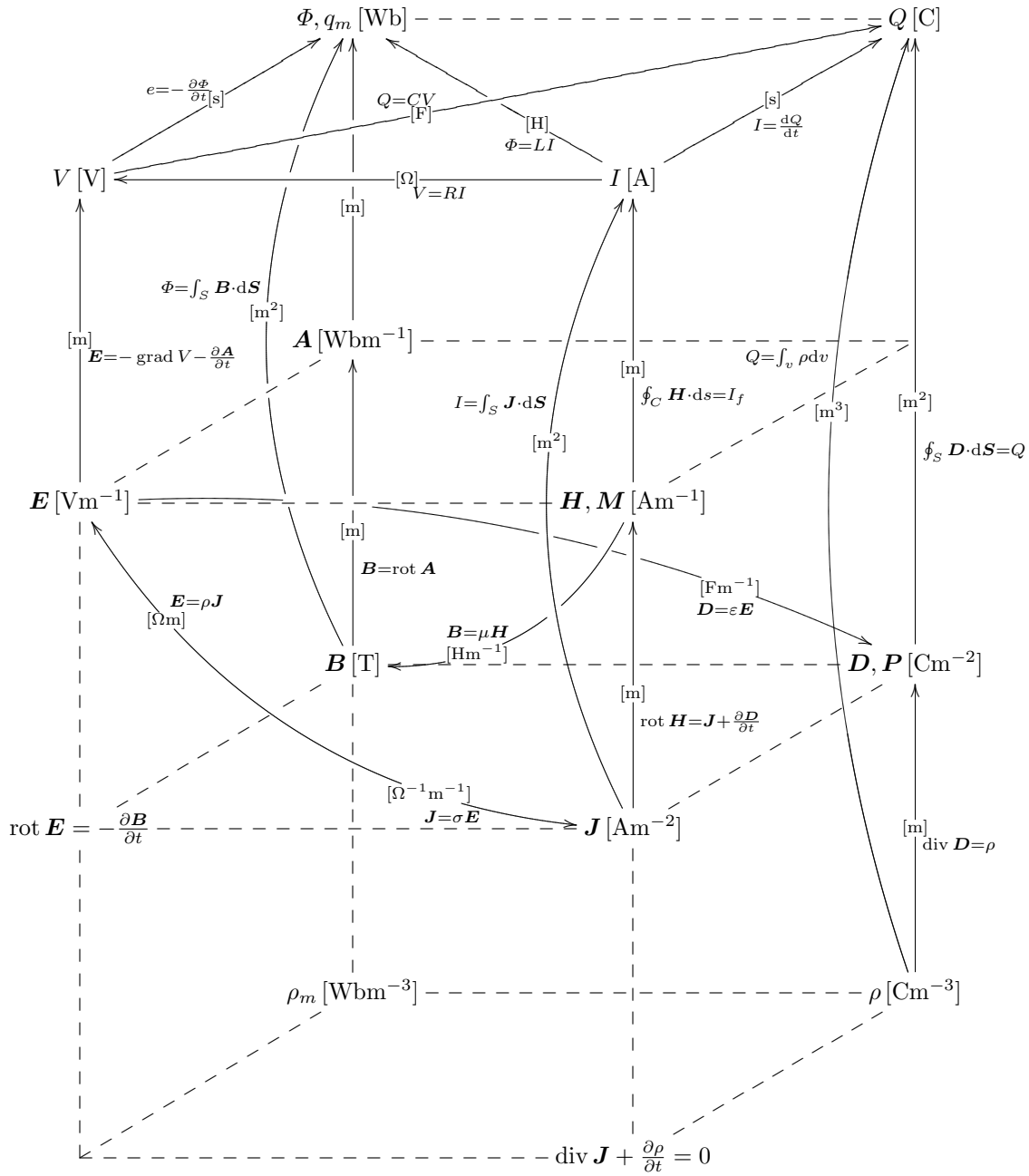
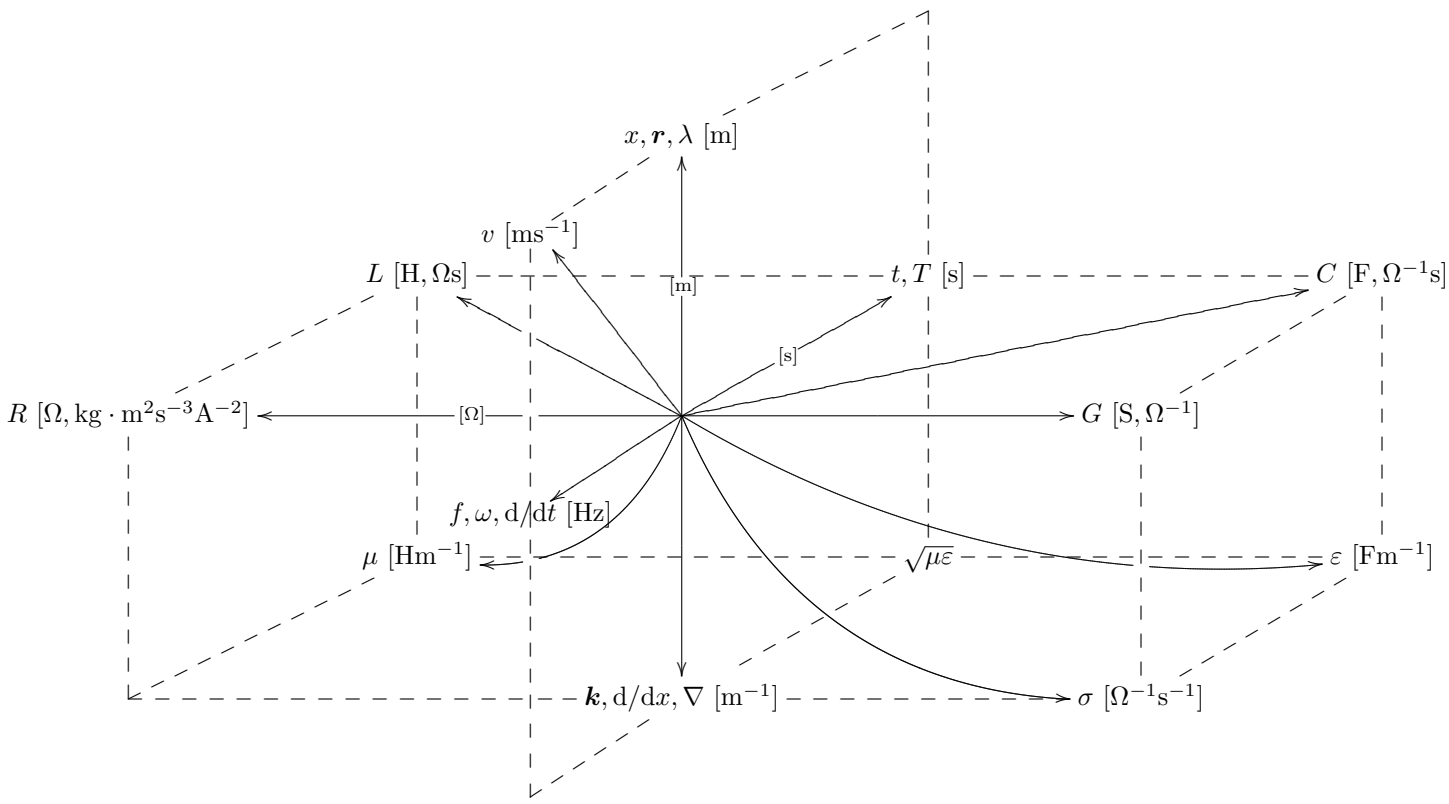

$V\,[\mathrm{m}^3]$
$S\,[\mathrm{m}^2]$
$\boldsymbol{a}, g\,[\mathrm{ms}^{-2}]$
$\boldsymbol{v}, u, c\,[\mathrm{ms}^{-1}]$
$x, \boldsymbol{r}, \lambda\,[\mathrm{m}]$
[m]
$\boldsymbol{\alpha}\,[\mathrm{s}^{-2}]$
$f, \nu, \boldsymbol{\omega}, \mathrm{d}/\mathrm{d}t\,[\mathrm{Hz}]$
[s]
$t, T\,[\mathrm{s}]$
$\boldsymbol{k}, \mathrm{d}/\mathrm{d}x, \nabla\,[\mathrm{m}^{-1}]$


$E=|\boldsymbol{N}||\theta|$
$W_{A-B}=V_A-V_B$
$H=T+V$
$E=\frac{1}{2}I\omega^2$
$\boldsymbol{N}=\mathsf{I}\cdot\boldsymbol{\alpha}+\boldsymbol{\omega}\times(\mathsf{I}\cdot\boldsymbol{\omega})$
$P\,[\mathrm{W}, \mathrm{Jm}^{-1}]$
$P=\mathrm{d}W/\mathrm{d}t$
$E, W, V, H, T, L, \boldsymbol{N}\,[\mathrm{J}, \mathrm{Nm}]$
$\boldsymbol{N}=\mathrm{d}\boldsymbol{L}/\mathrm{d}t$
$E=\hbar\omega$
$S=\int L\mathrm{d}t$
$\hbar, S, \boldsymbol{L}, \boldsymbol{S}\,[\mathrm{Js}]$
$\boldsymbol{L}=\mathsf{I}\cdot\boldsymbol{\omega}$
$\mathsf{I}\,[\mathrm{kgm}^2]$
$\boldsymbol{N}=\boldsymbol{r}\times\boldsymbol{F}$
$W=Fs$
$\boldsymbol{F}=-\operatorname{grad}V$
$\boldsymbol{L}=\boldsymbol{r}\times\boldsymbol{p}$
$\Delta x\Delta p\geq\hbar/2$
$E=\frac{1}{2}kx^2$
$I=mr^2$
$\boldsymbol{F}\,[\mathrm{N}]$
$\boldsymbol{I}=\int\boldsymbol{F}\mathrm{d}t$
$\boldsymbol{F}=\mathrm{d}\boldsymbol{p}/\mathrm{d}t$
$\boldsymbol{p}, \boldsymbol{I}\,[\mathrm{Ns}]$
$E=mc^2, \frac{1}{2}m|\boldsymbol{v}|^2$
$E=mgh$
$\boldsymbol{p}=m\boldsymbol{v}$
$F=kx$
[m]
$\boldsymbol{F}=m\boldsymbol{a}$
$k\,[\mathrm{Nm}^{-1}]$
$m\,[\mathrm{kg}]$
[s]
$P=F/S$
$P, \tau\,[\mathrm{Pa}, \mathrm{Nm}^{-2}]$
$\tau=\mu\partial u/\partial y$
$\mu\,[\mathrm{Pa}\cdot\mathrm{s}]$
$\rho=m/V$
$m=\int_V\rho(\boldsymbol{r})\mathrm{d}V$
$P=\rho gh$
$\rho\,[\mathrm{kgm}^{-3}]$


Φ, q_m [Wb]
Q [C]
$e=-\frac{\partial\Phi}{\partial t}$ [s]
$Q=CV$
[F]
[H]
$\Phi=LI$
[s]
$I=\frac{\mathrm{d}Q}{\mathrm{d}t}$
V [V]
[Ω]
$V=RI$
I [A]
[m]
$\Phi=\int_S \boldsymbol{B}\cdot\mathrm{d}\boldsymbol{S}$
[m^2]
[m]
$\boldsymbol{E}=-\operatorname{grad} V-\frac{\partial\boldsymbol{A}}{\partial t}$
$\boldsymbol{A}$ [Wbm^{-1}]
$Q=\int_v \rho\mathrm{d}v$
[m]
$\oint_C \boldsymbol{H}\cdot\mathrm{d}s=I_f$
$I=\int_S \boldsymbol{J}\cdot\mathrm{d}\boldsymbol{S}$
[m^3]
[m^2]
[m^2]
$\oint_S \boldsymbol{D}\cdot\mathrm{d}\boldsymbol{S}=Q$
$\boldsymbol{E}$ [Vm^{-1}]
$\boldsymbol{H}, \boldsymbol{M}$ [Am^{-1}]
[m]
$\boldsymbol{B}=\operatorname{rot}\boldsymbol{A}$
[Fm^{-1}]
$\boldsymbol{D}=\varepsilon\boldsymbol{E}$
$\boldsymbol{E}=\rho\boldsymbol{J}$
[Ωm]
$\boldsymbol{B}=\mu\boldsymbol{H}$
[Hm^{-1}]
$\boldsymbol{B}$ [T]
$\boldsymbol{D}, \boldsymbol{P}$ [Cm^{-2}]
[m]
$\operatorname{rot}\boldsymbol{H}=\boldsymbol{J}+\frac{\partial\boldsymbol{D}}{\partial t}$
[Ω^{-1}m^{-1}]
$\boldsymbol{J}=\sigma\boldsymbol{E}$
$\operatorname{rot}\boldsymbol{E}=-\frac{\partial\boldsymbol{B}}{\partial t}$
$\boldsymbol{J}$ [Am^{-2}]
[m]
$\operatorname{div}\boldsymbol{D}=\rho$
ρ_m [Wbm^{-3}]
ρ [Cm^{-3}]
$\operatorname{div}\boldsymbol{J}+\frac{\partial\rho}{\partial t}=0$


$x, \boldsymbol{r}, \lambda$ [m]
v [ms^{-1}]
L [H, Ωs]
[m]
t, T [s]
C [F, Ω^{-1}s]
[s]
R [Ω, kg · m^{2}s^{-3}A^{-2}]
[Ω]
G [S, Ω^{-1}]
$f, \omega, \mathrm{d}/\mathrm{d}t$ [Hz]
μ [Hm^{-1}]
$\sqrt{\mu\varepsilon}$
ε [Fm^{-1}]
$\boldsymbol{k}, \mathrm{d}/\mathrm{d}x, \nabla$ [m^{-1}]
σ [Ω^{-1}s^{-1}]