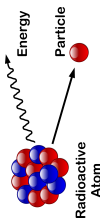
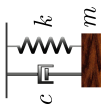
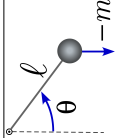
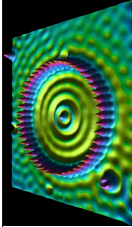
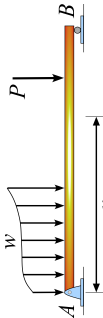
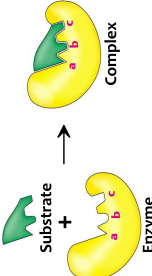


	Equation(s)	dep var(s)	indep var(s)	order	linear (L) or nonlinear (NL)	ODE or PDE	homog (H) or inhomog (IH)
	Radioactive decay $\frac{dy}{dt} = -ry$						
	Mass-Spring-Dashpot system $m \frac{d^2y}{dt^2} + c \frac{dy}{dt} + ky = \sin t$						
	Pendulum equation $\frac{d^2\theta}{dt^2} = -\frac{g}{\ell} \sin \theta$						
	Schrödinger's equation $i\hbar \frac{\partial u}{\partial t} = -\frac{\hbar^2}{2m} \frac{\partial^2 u}{\partial x^2} + Vu$						
	Beam equation $\frac{\partial^4 w}{\partial x^4} + \frac{\partial^2 w}{\partial t^2} = P$						
	Michaelis-Menten equations $\frac{dS}{dt} = -k_1 ES + k_{-1}(E_0 - E)$ $\frac{dE}{dt} = -k_1 ES + k_3(E_0 - E)$						