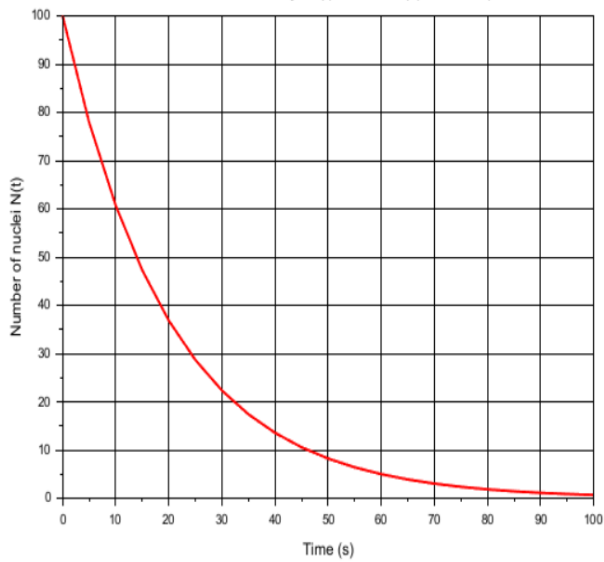
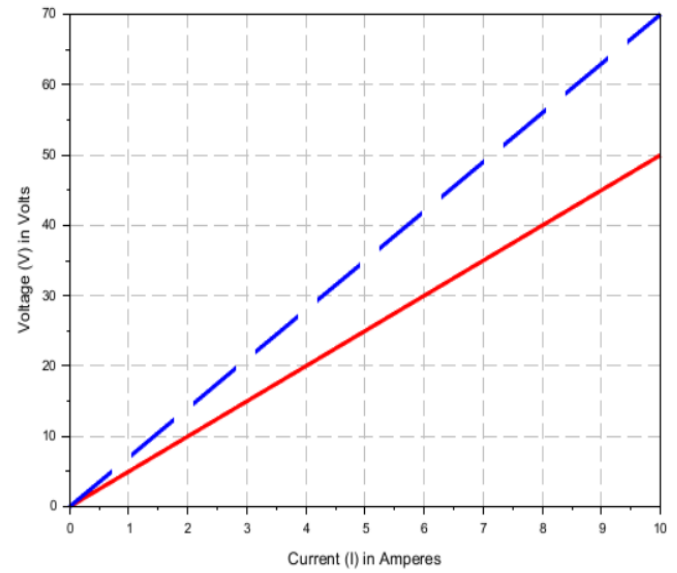
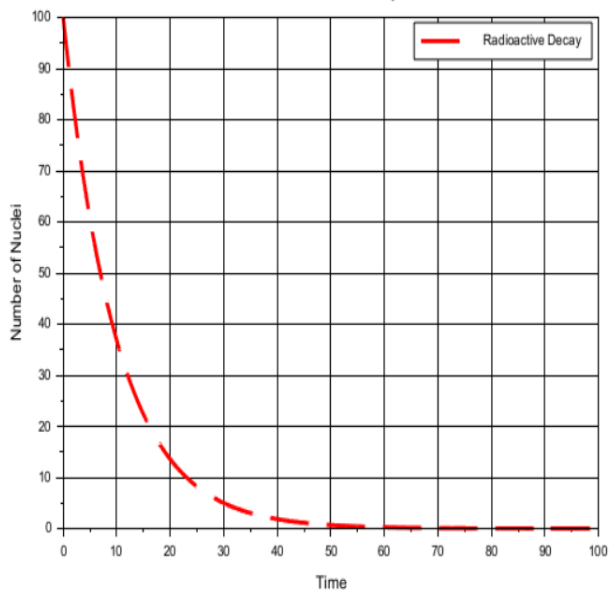
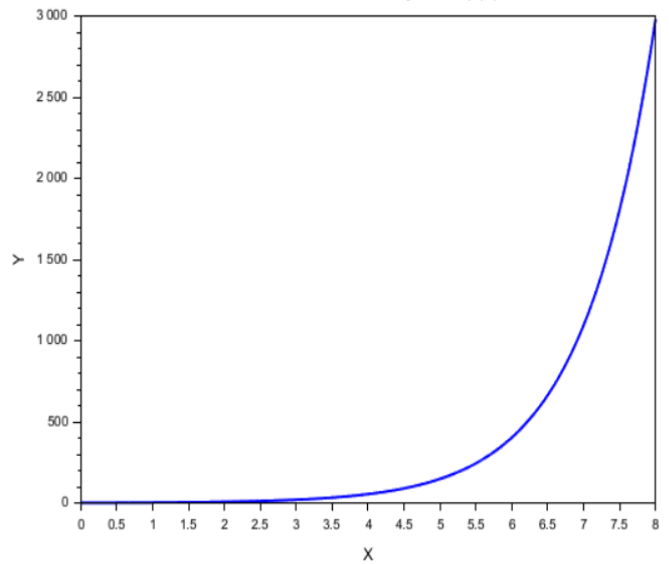


Radioactive Decay: $N(t) = N_0 \cdot \exp(-\lambda t)$ 

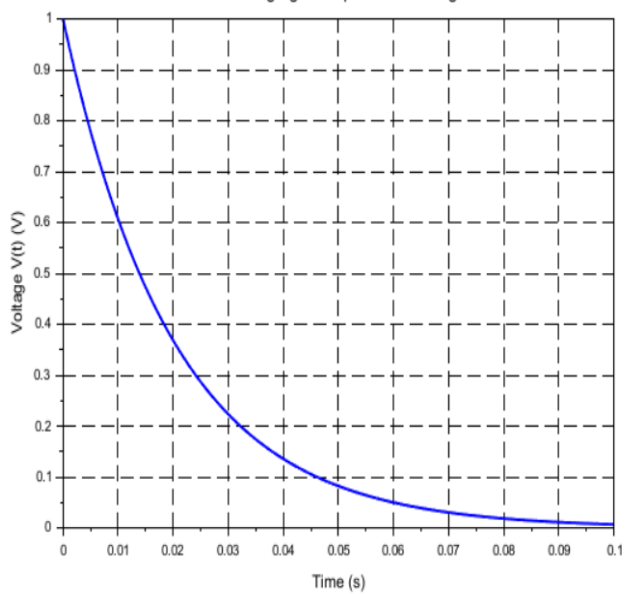
Ohms law



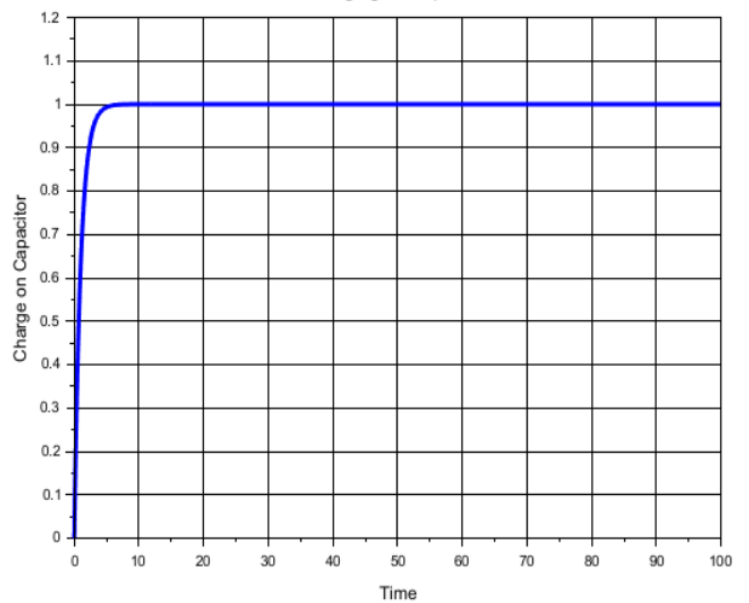
Radioactive Decay

Solution of the DE - $dy/dx = \exp(x)$ 

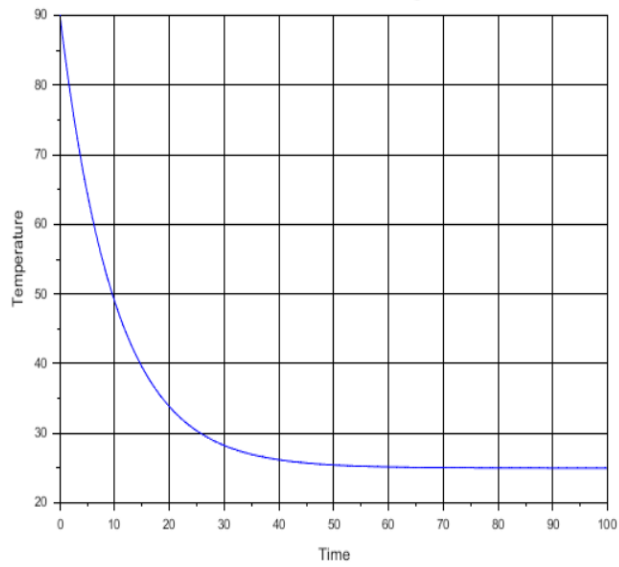
Discharging of Capacitor - Voltage



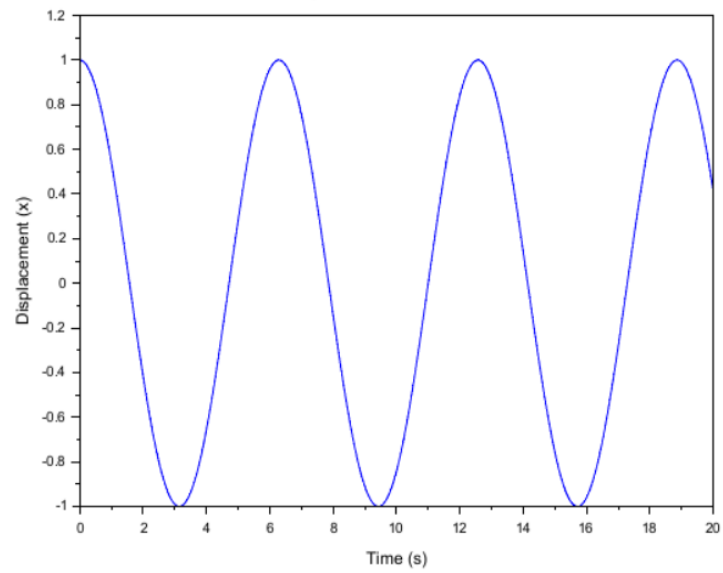
Charging of Capacitor



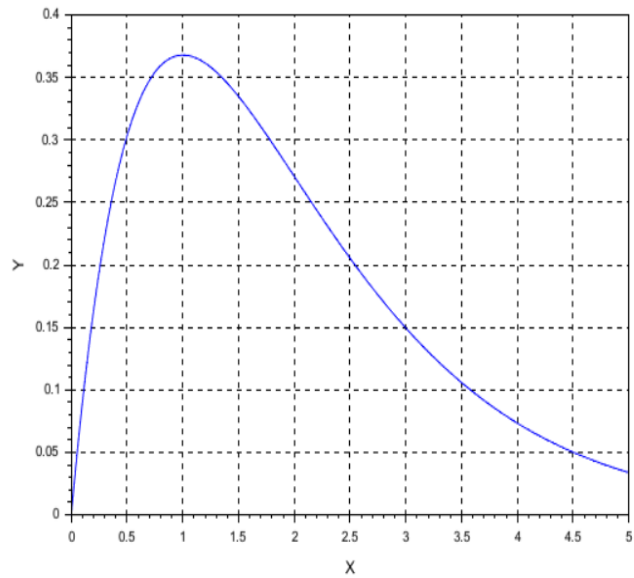
Newtons Law of cooling



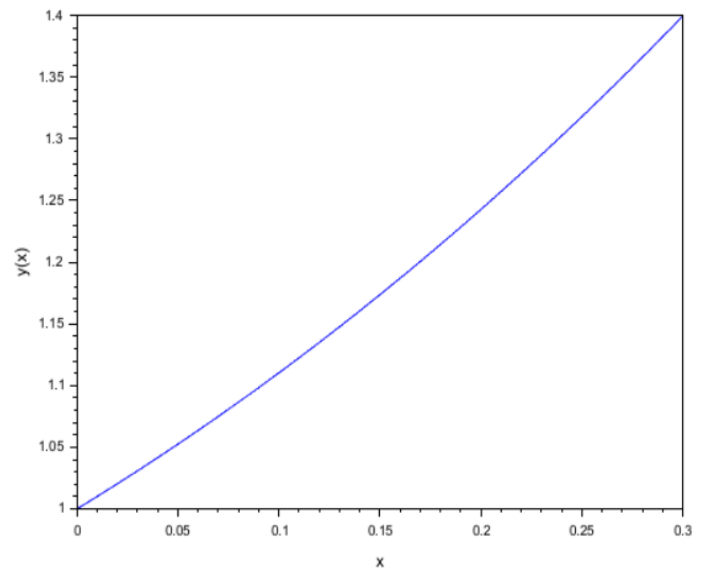
Simple Harmonic Oscillator



Solving of 2nd order DE : $y'' + 2y' + y = 0$



Solution of $y' = x + y$



Damped Harmonic Oscillator

