List of Differential equations to be used in Assignment#4

Name of Differential Equations	Systems to be used	Parameters values to be used	Initial conditions to be used
1. Lorenz system	$\frac{dx}{dt} = \alpha(y - x),$ $\frac{dy}{dt} = x(\beta - z) - y,$ $\frac{dz}{dt} = (xy - \gamma z),$	$\alpha = 10, \ \beta = 28, \ \gamma = 8/3$	$x_0 = 1$, $y_0 = 1$, $z_0 = 1$
2.Rossler system	$\frac{dx}{dt} = -y - x,$ $\frac{dy}{dt} = x + ay,$ $\frac{dz}{dt} = b + z(x - c).$	a = 0.2, $b = 0.2$, $c = 5.7$	$x_0 = 1$, $y_0 = 1$, $z_0 = 1$