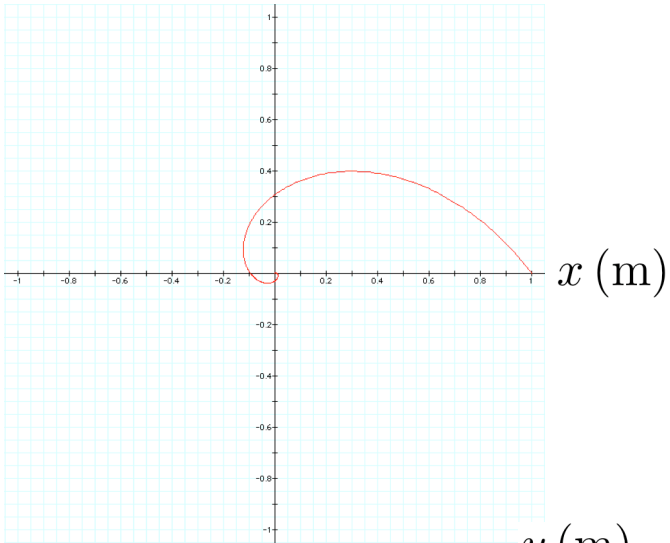


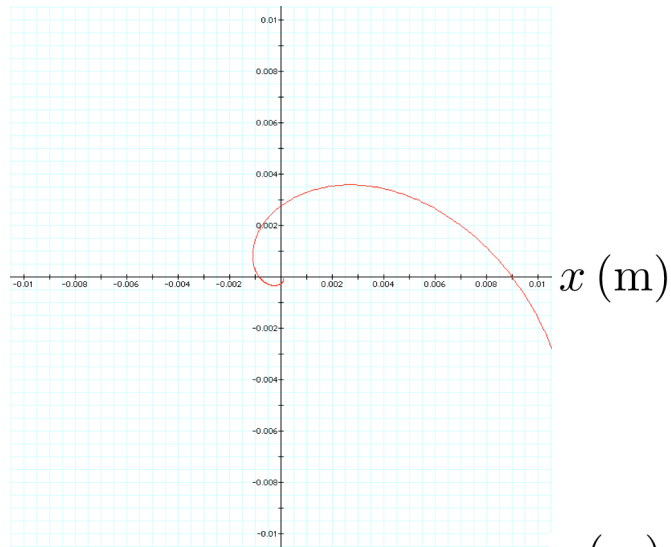
$y$  (m)



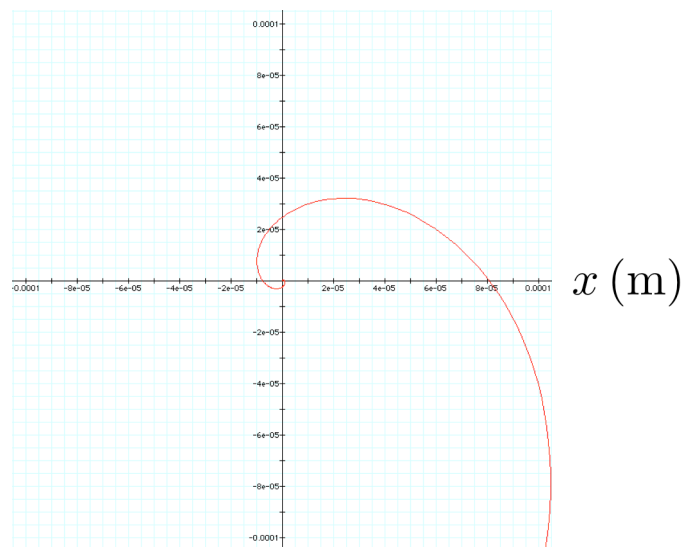
$$x(t) = Re^{-pt} \cos \omega_1 t$$

$$y(t) = Re^{-pt} \sin \omega_1 t$$

$y$  (m)



$y$  (m)



$$R = 1 \text{ m}$$
$$\omega_1 = 12 \text{ s}^{-1}$$
$$p = \beta/2m = 9 \text{ s}^{-1}$$

$$x(t) = Re^{-pt} \cos \omega_1 t$$

$$y(t) = Re^{-pt} \sin \omega_1 t$$

$$R = 2 \text{ m}$$

$$p = 0.1 \text{ s}^{-1}$$

$$\omega_1 = 1 \text{ s}^{-1}$$

