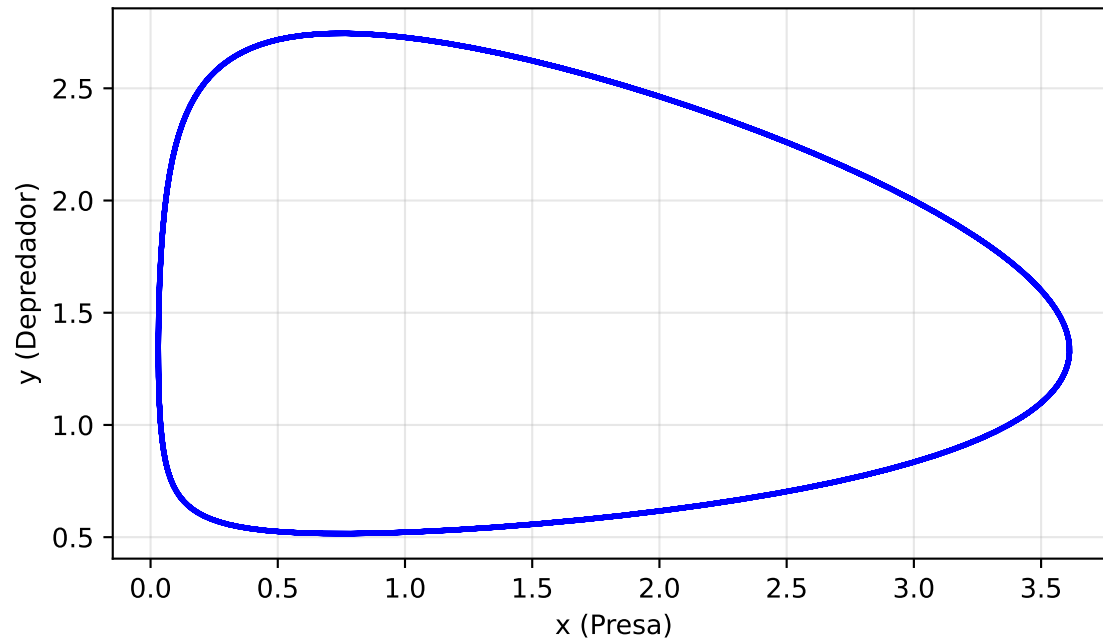
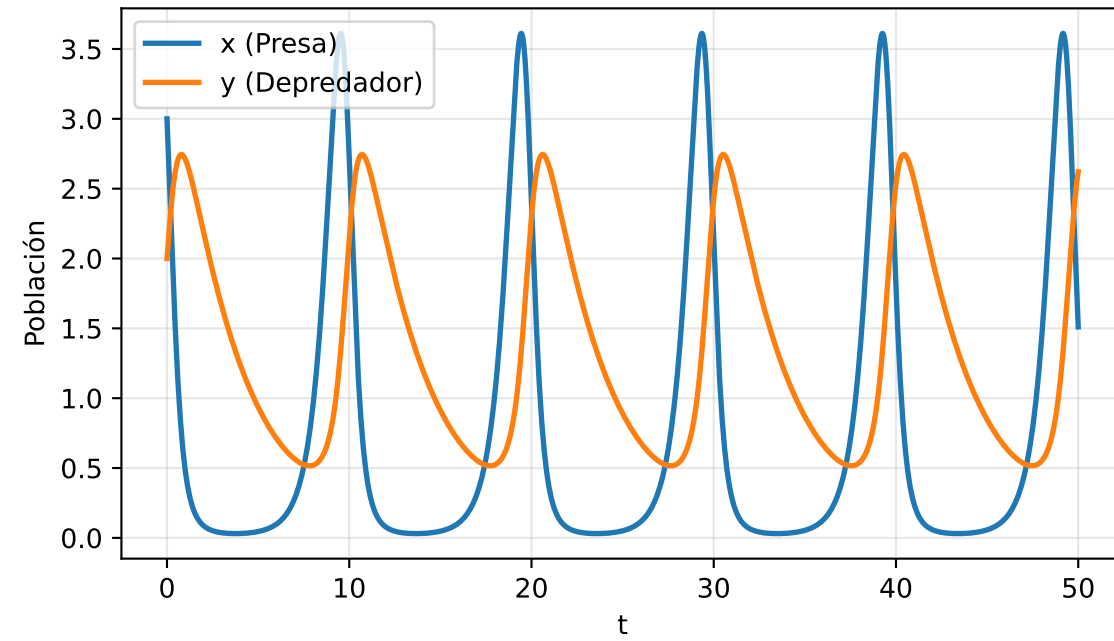


# Sistema 1.a: Depredador-Presa (Lotka-Volterra)

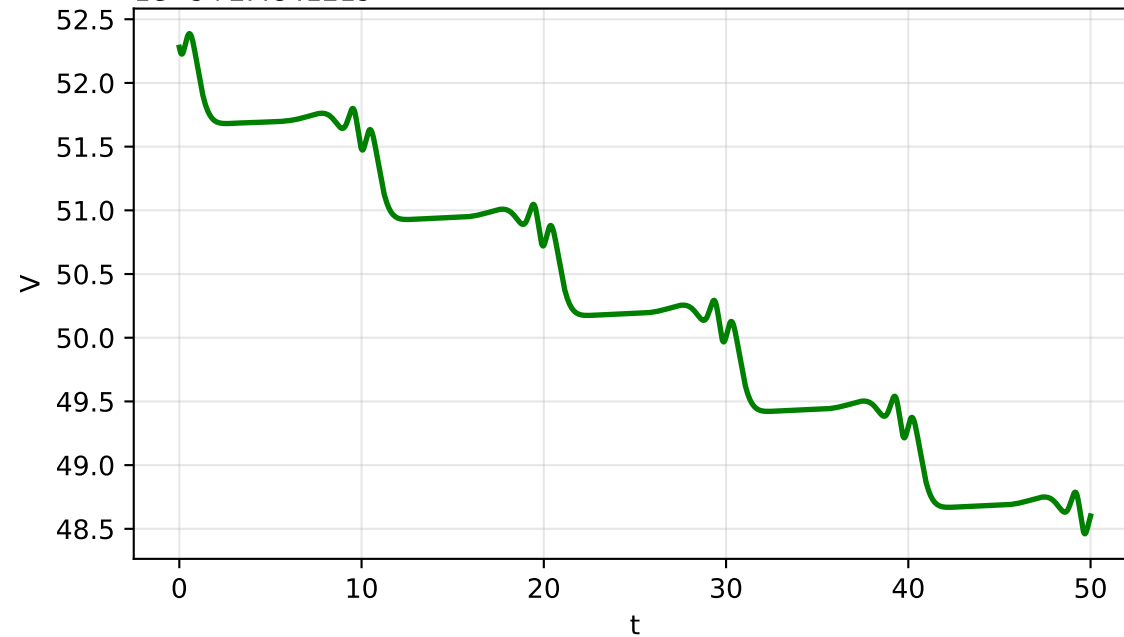
Retrato de fase (x vs y)



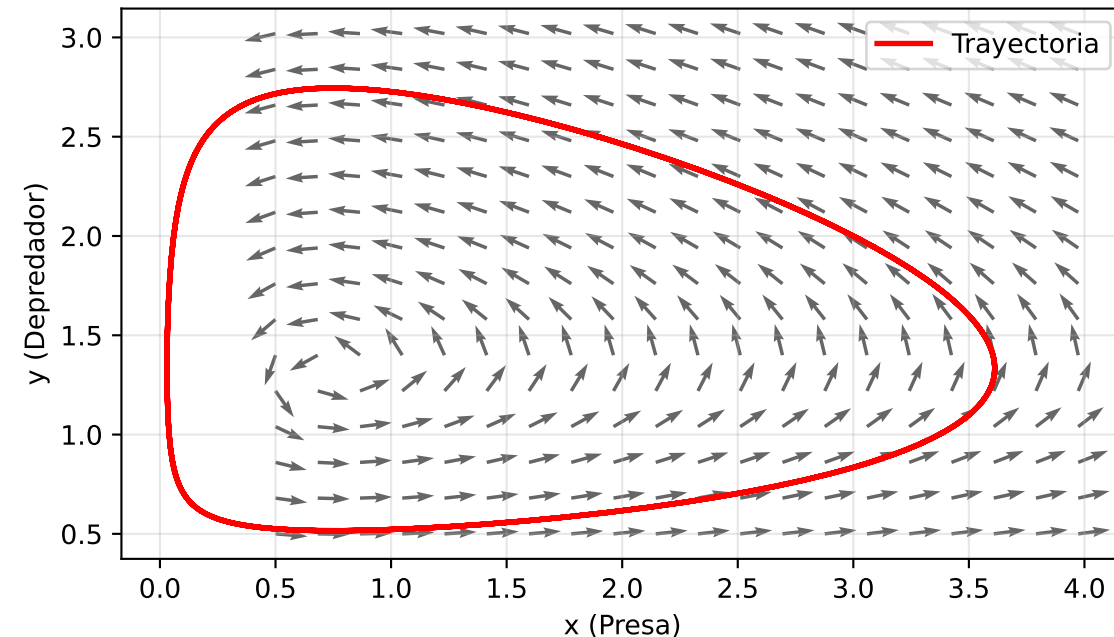
Evolución en el tiempo



$1e-9+2.4841219$  Cantidad conservada  $V$  vs  $t$

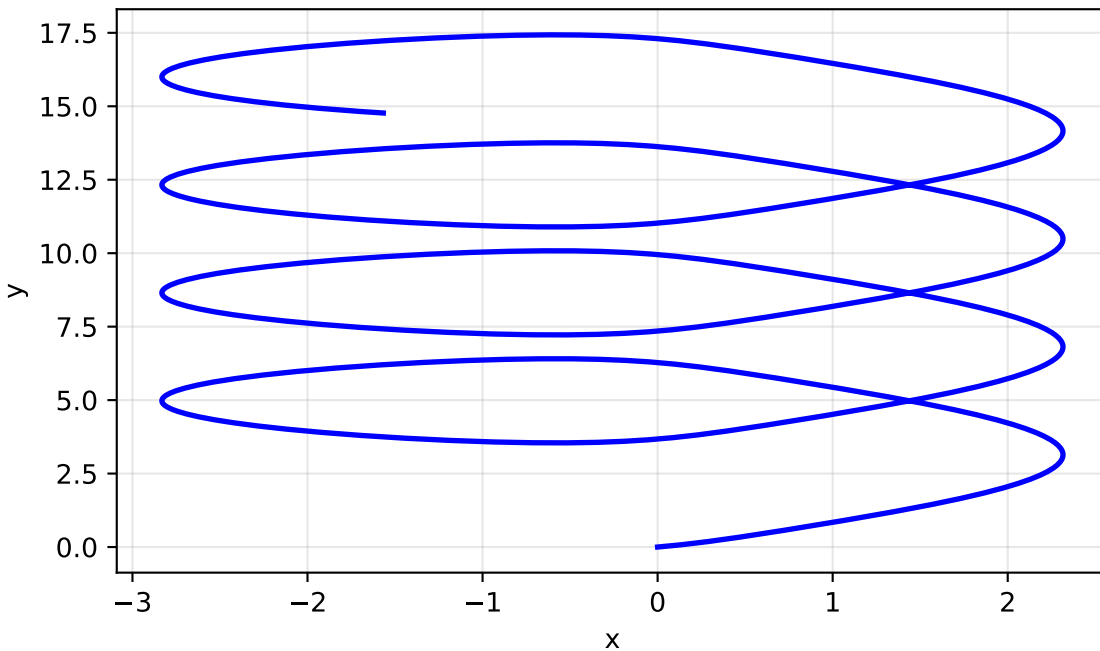


Campo vectorial con trayectoria

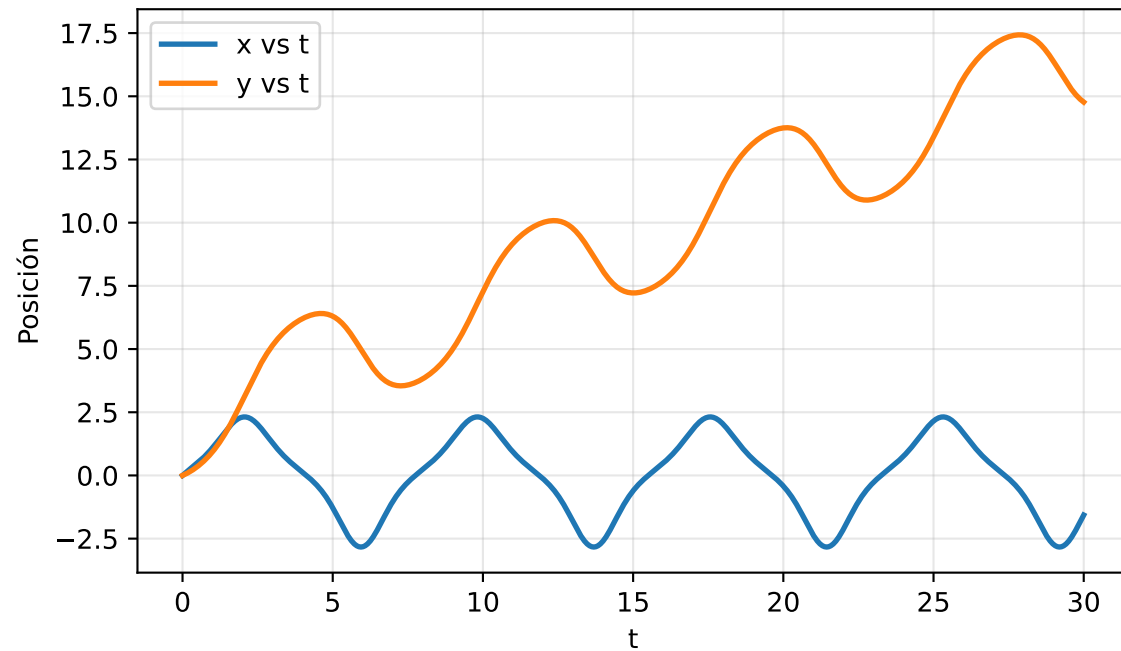


# Sistema 1.b: Partícula Cargada en Campos Electromagnéticos

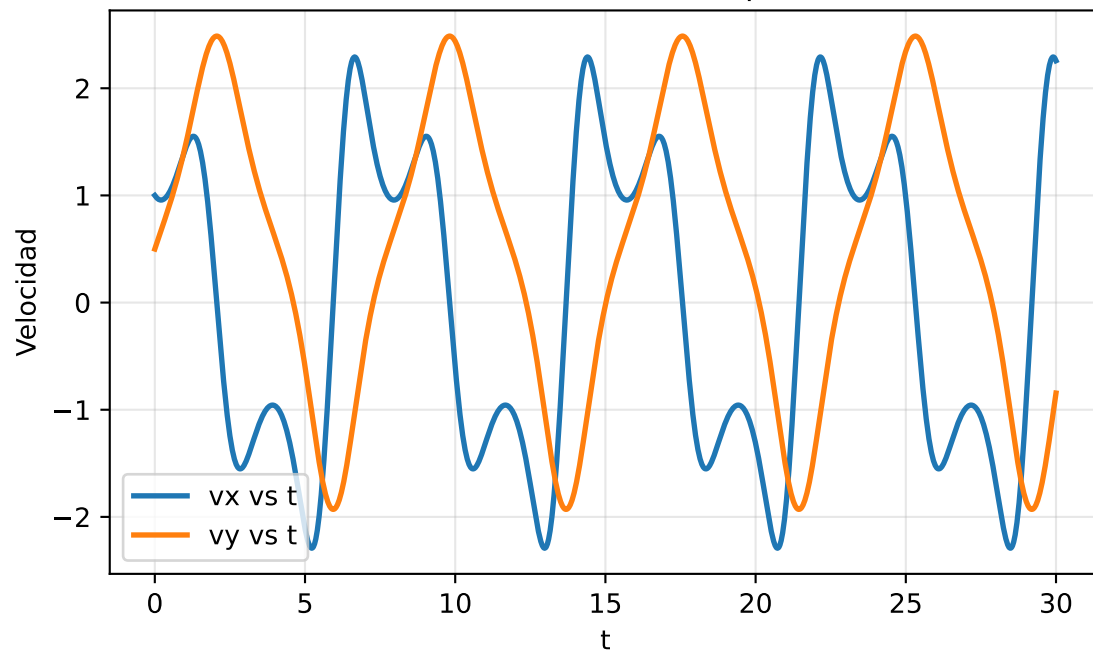
Trayectoria (x vs y)



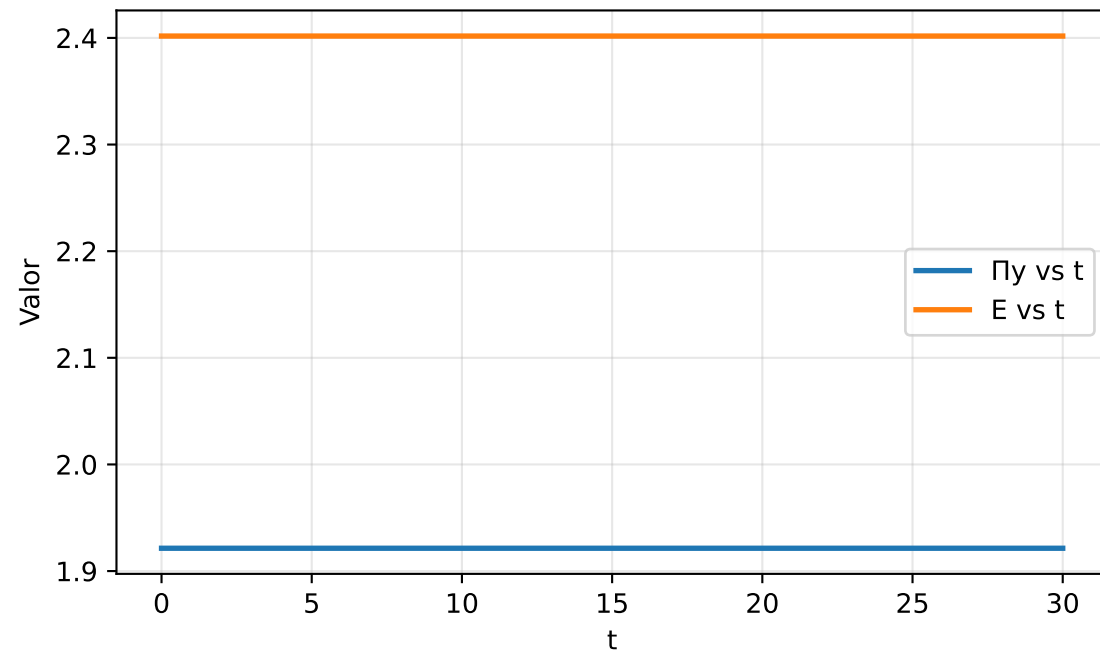
Posición vs tiempo



Velocidades vs tiempo

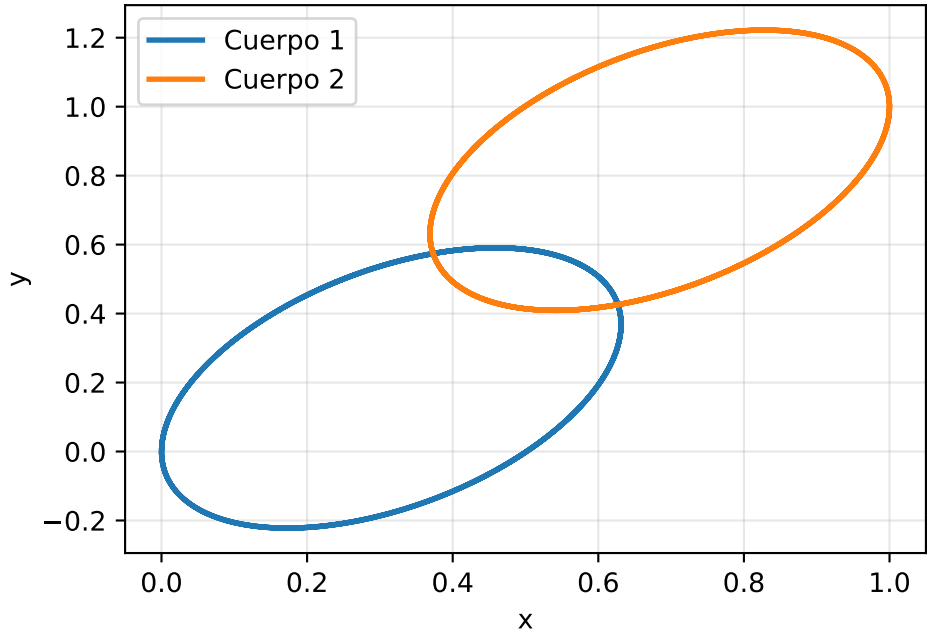


Cantidades conservadas

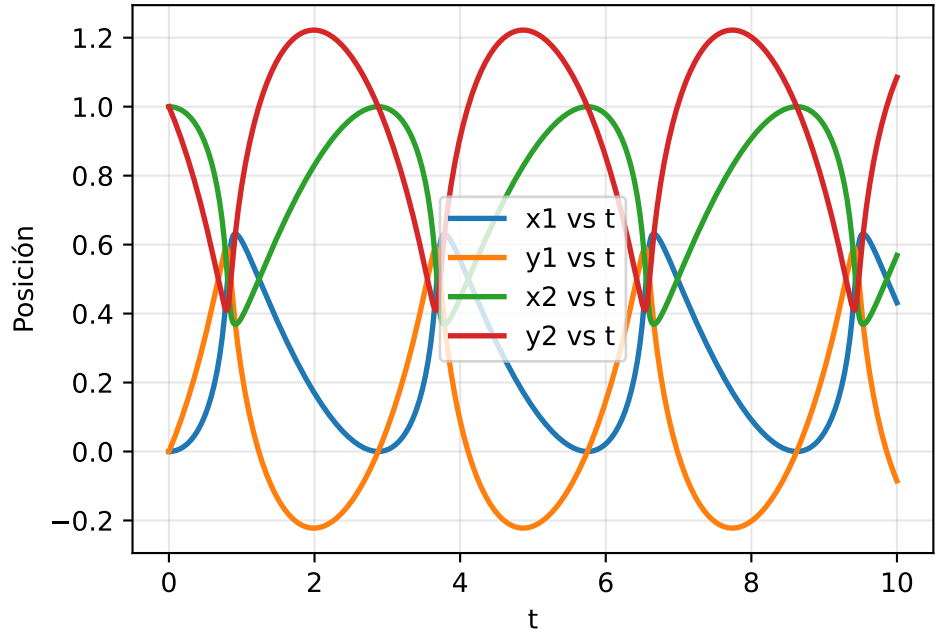


# Sistema 1.c: Dos Cuerpos Gravitatorios

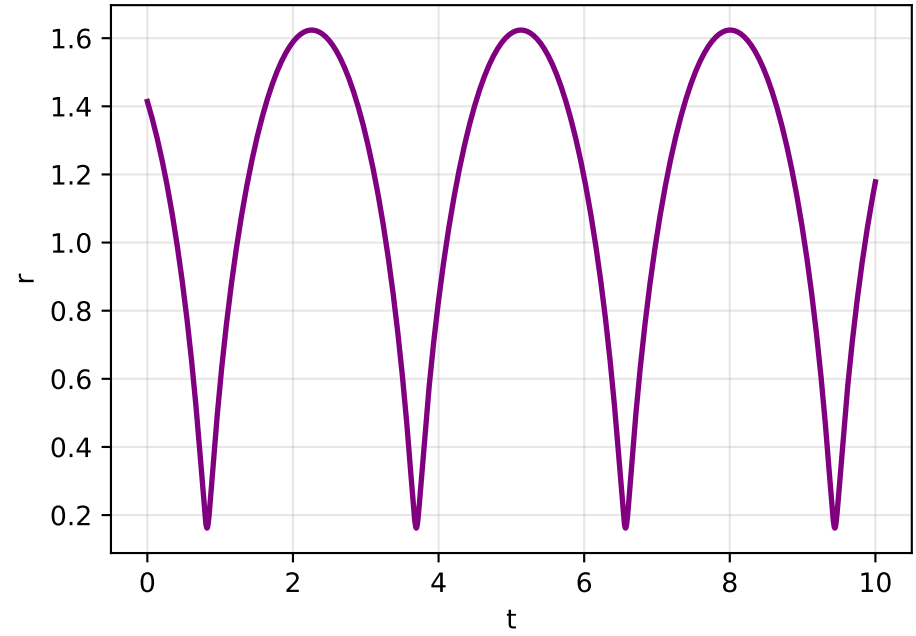
Órbitas (x vs y)



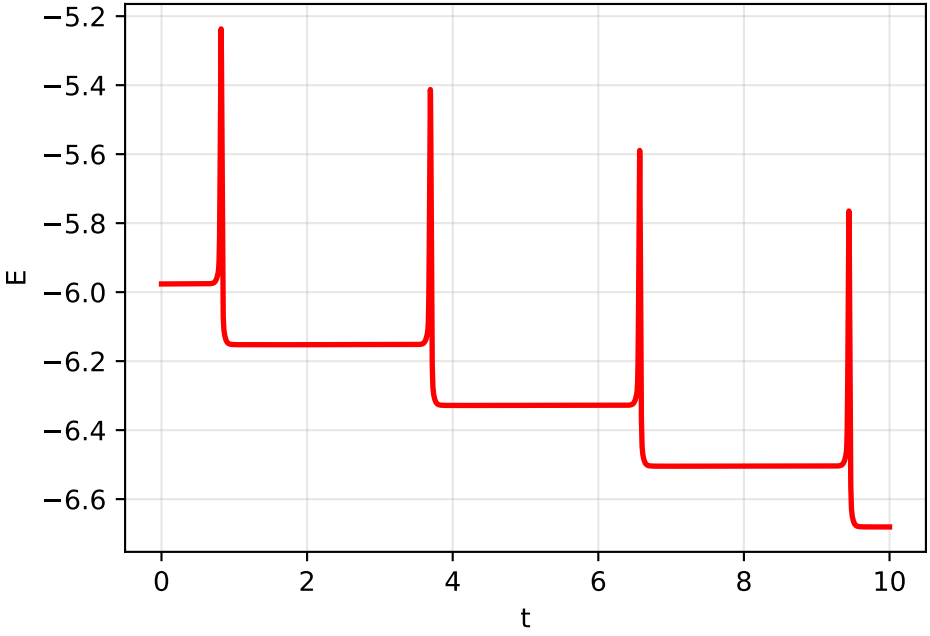
Posiciones vs tiempo



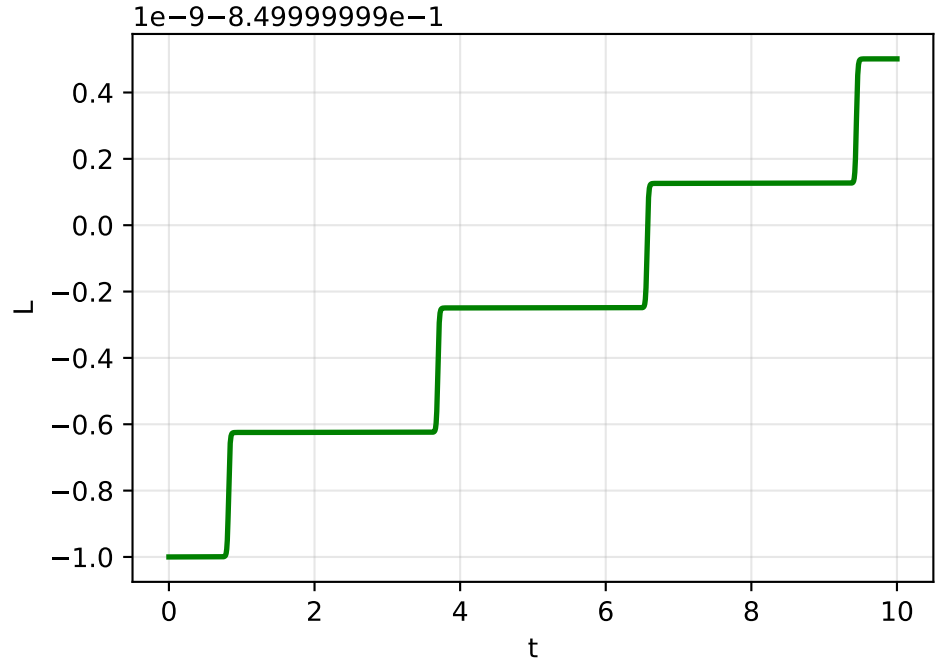
Separación r vs t



Energía vs t



Momento angular vs t



Velocidades vs tiempo

