



Actividad 1.8

Seguimiento de Trayectorias

Integrantes:

A017314050 | Eleazar Olivas Gaspar

A01735696 | Azul Nahomi Machorro Arreola

A01732584 | Angel Estrada Centeno

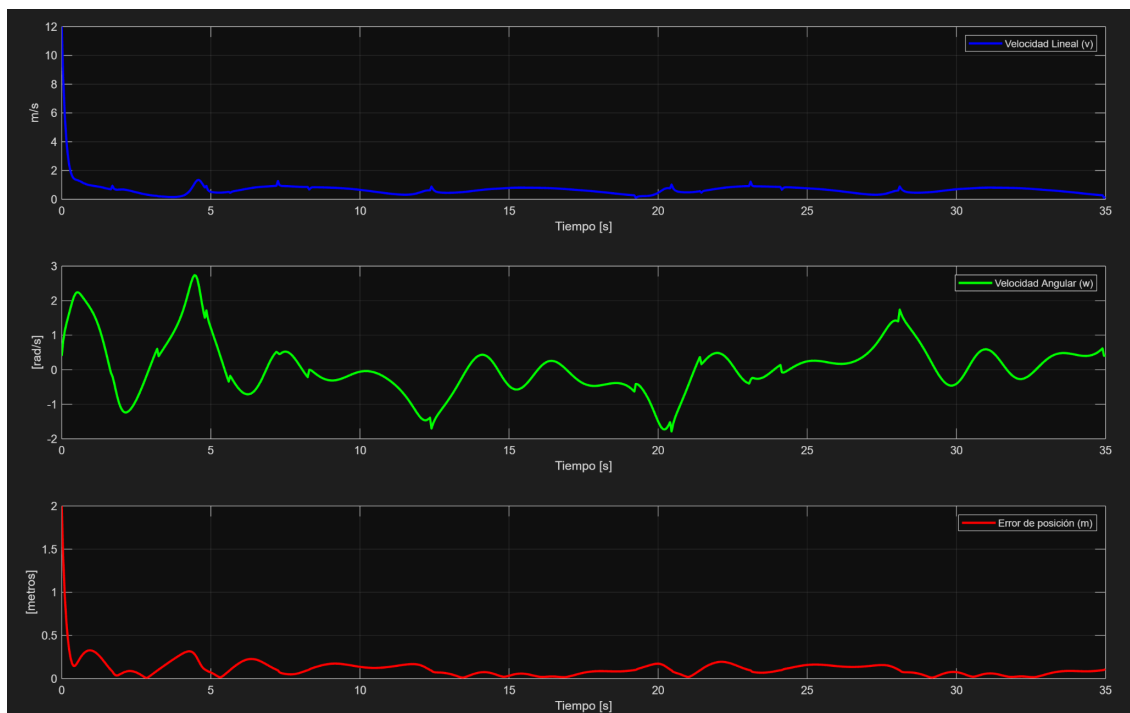
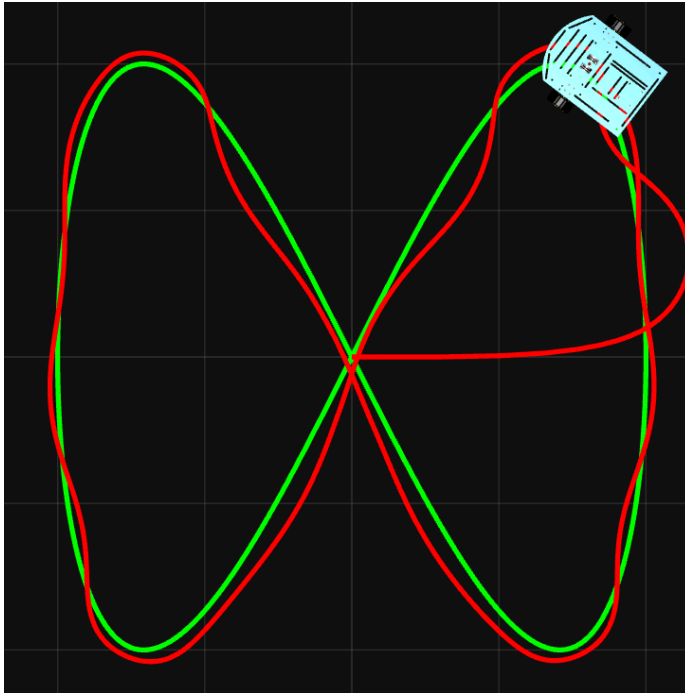
A01735692 | Arick Morelos del Campo

Profesores:

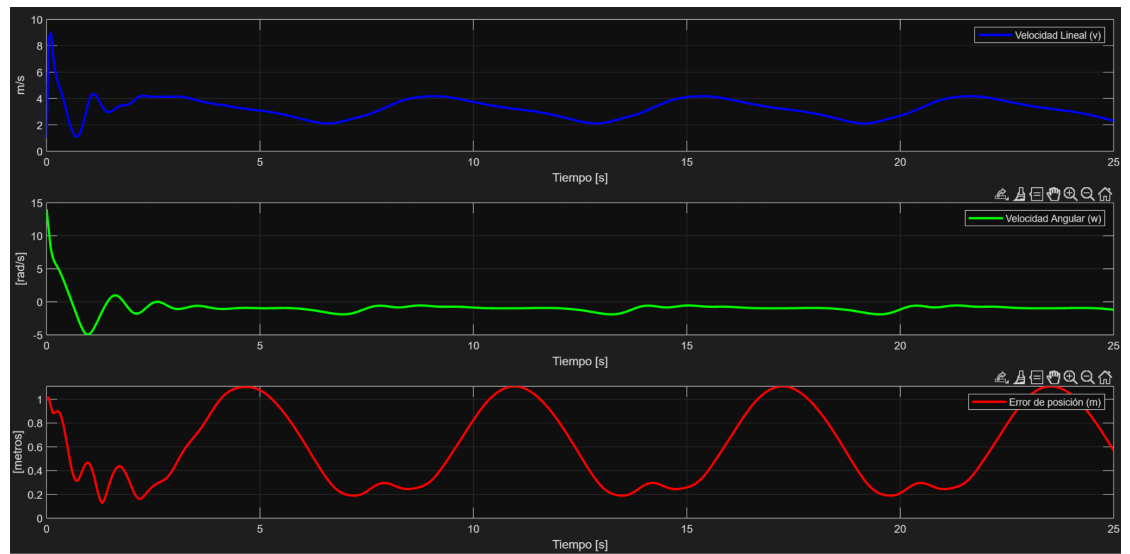
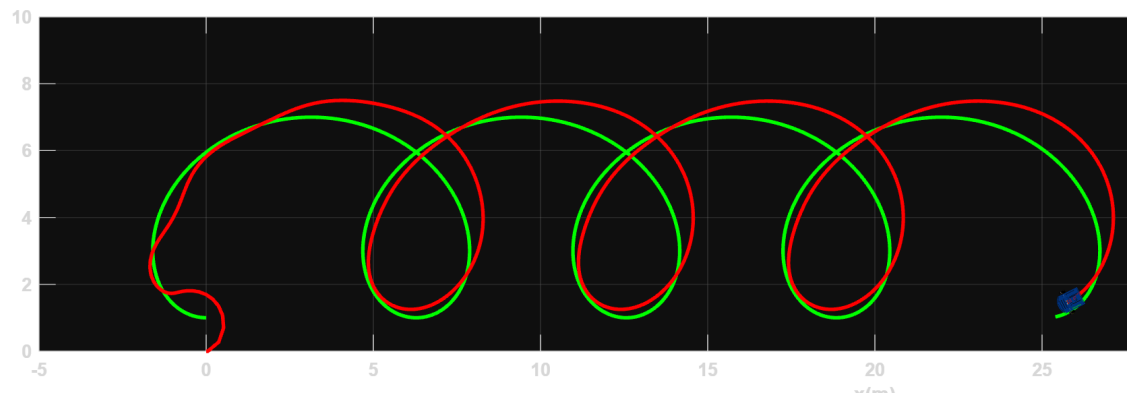
Alfredo Garcia Suarez

Abril 2024

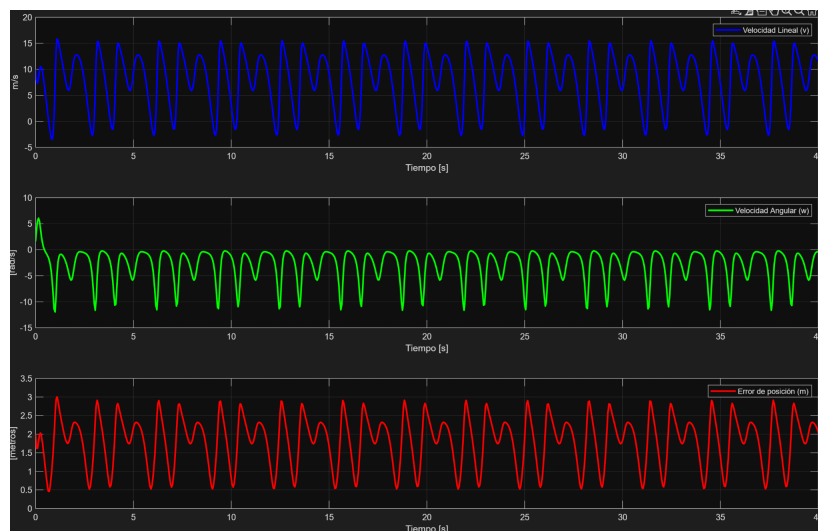
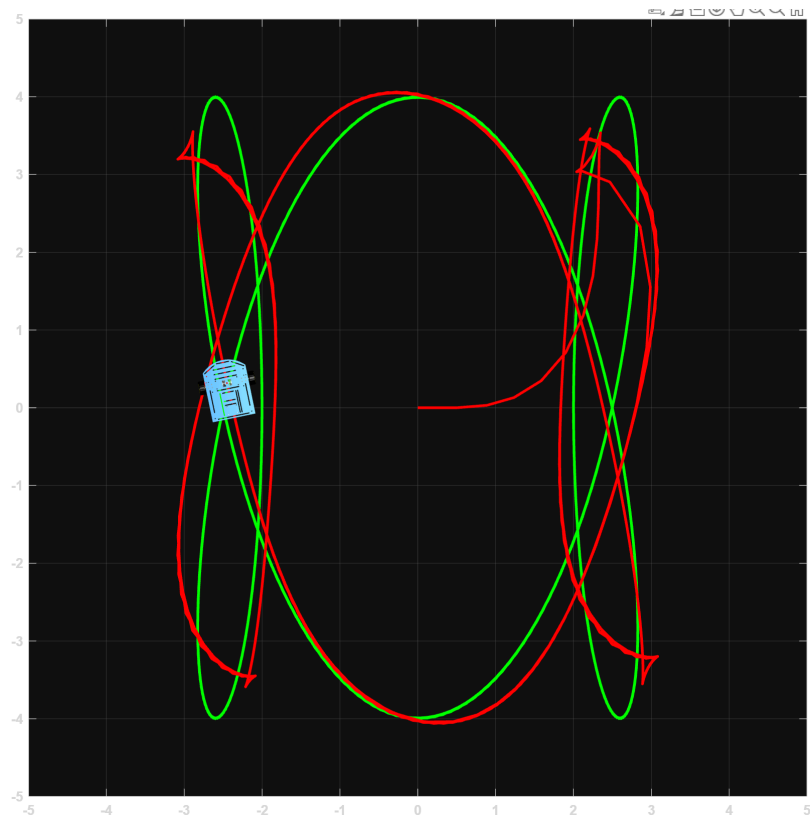
a) $x = 2\cos(0.2 \cdot t)$, $y = 2\sin(0.4 \cdot t)$



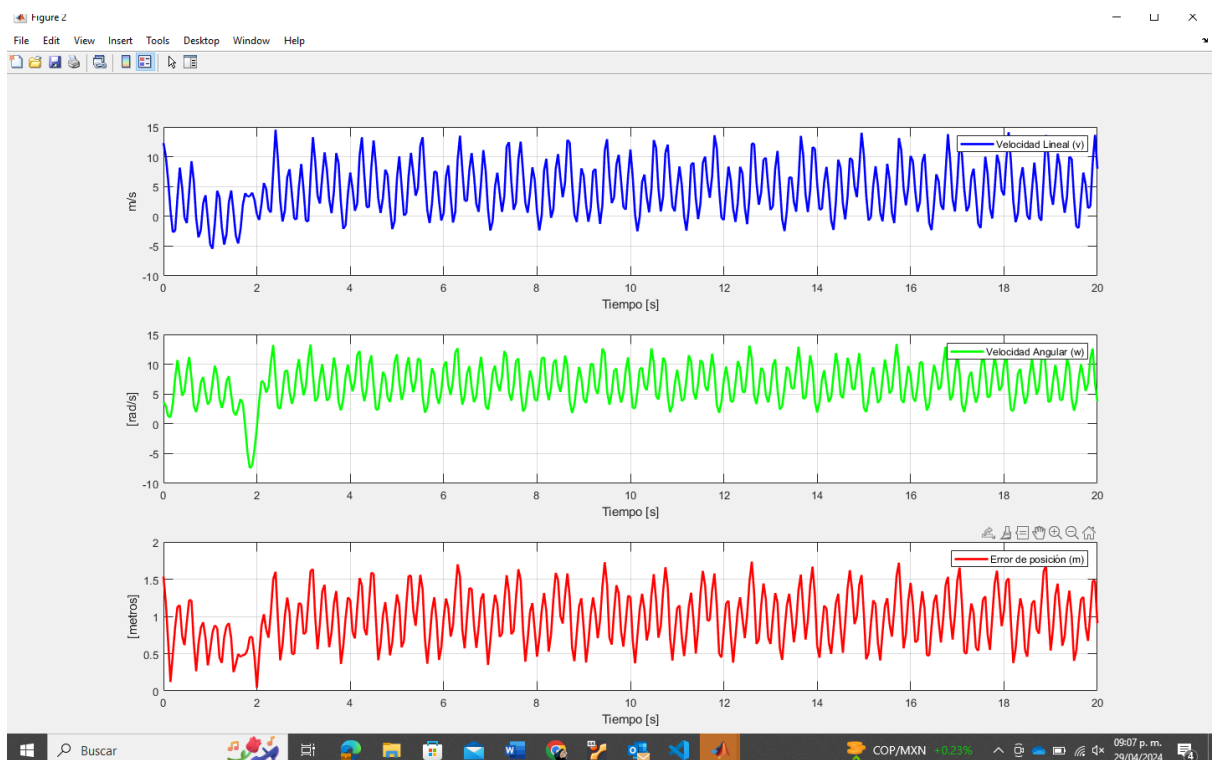
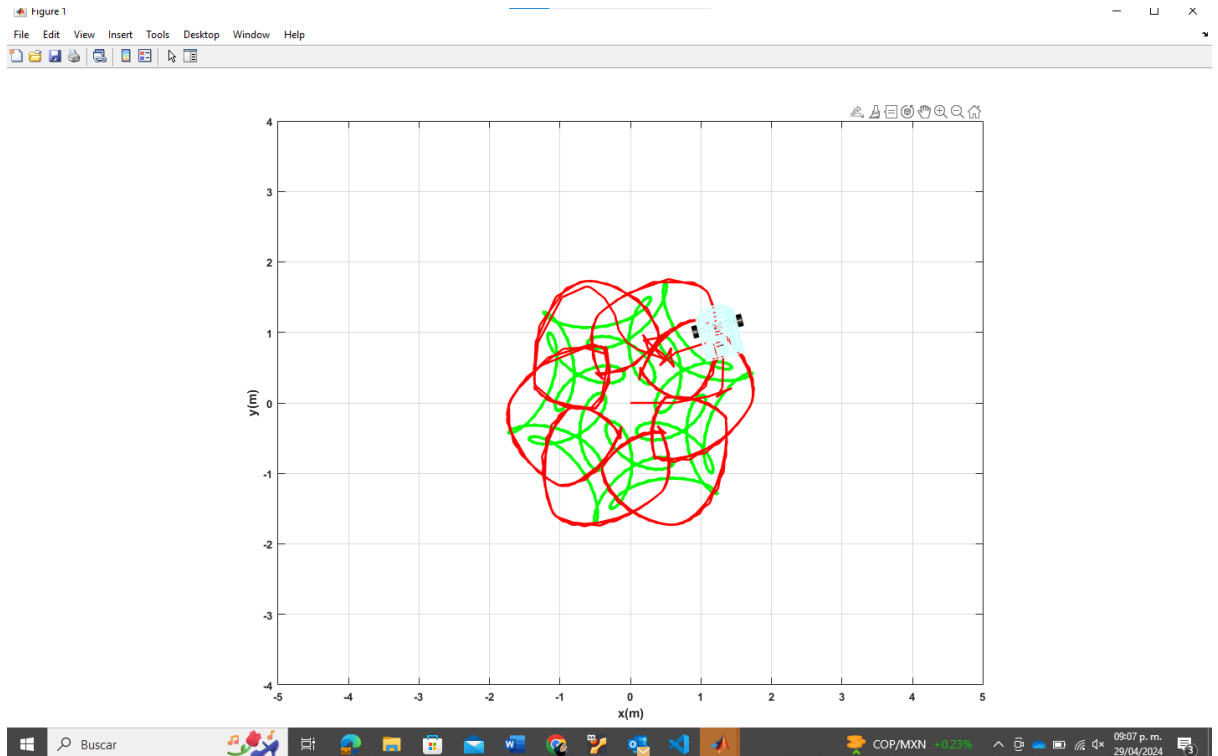
b) $x = t - 3\sin(t)$, $y = 4 - 3\cos(t)$



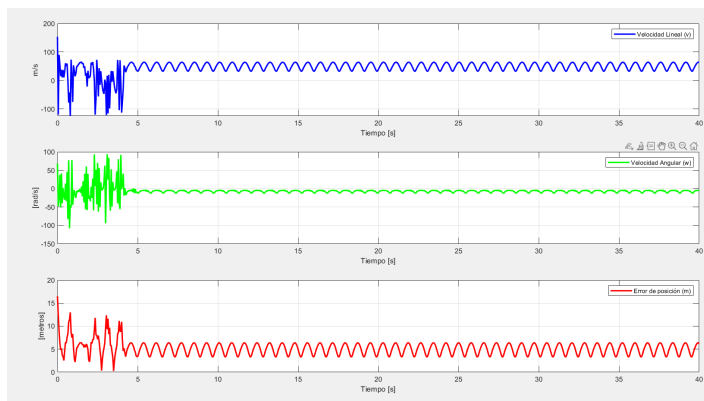
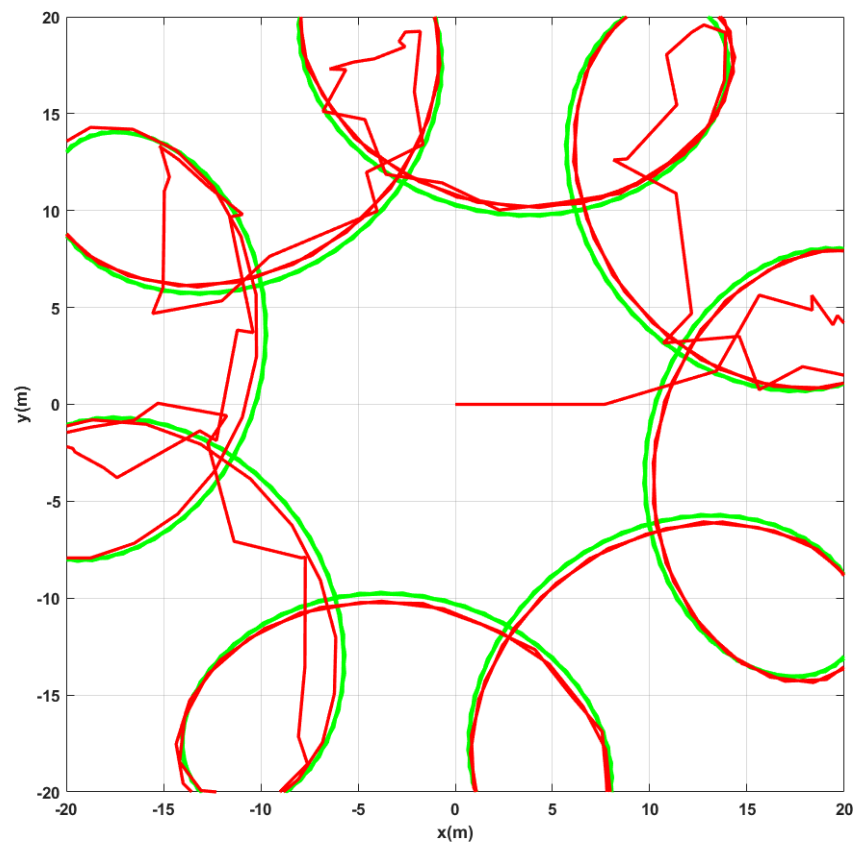
c) $x = 3\cos(t) - \cos(3t)$, $y = 4\sin(3t)$,



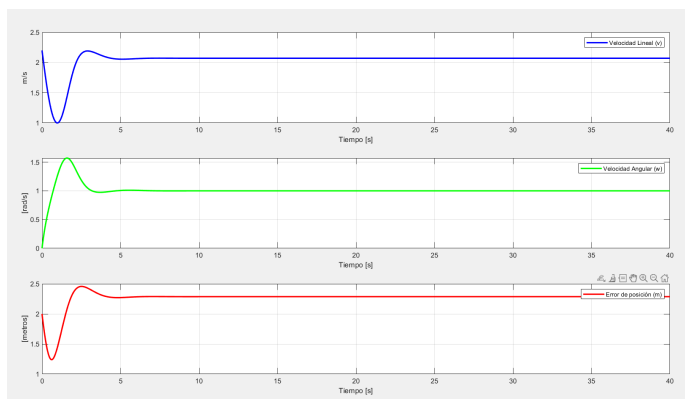
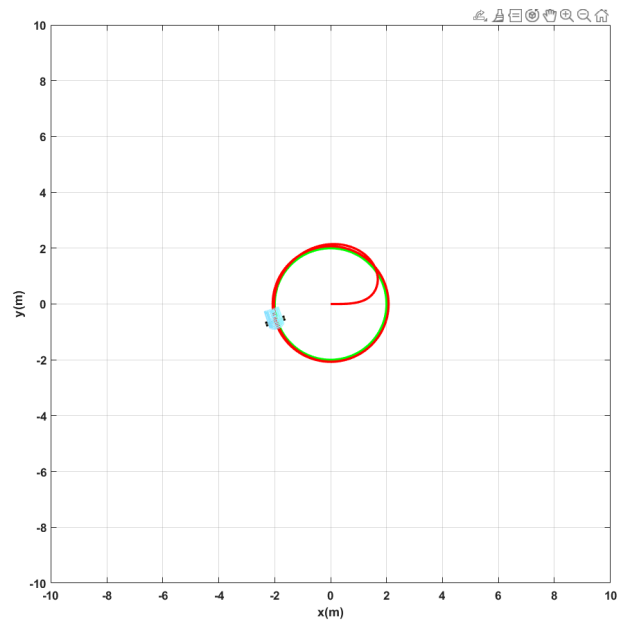
d) $x = \cos(t) + 1/2\cos(7t) + 1/3\sin(17t)$, $y = \sin(t) + 1/2\sin(7t) + 1/3\cos(17t)$



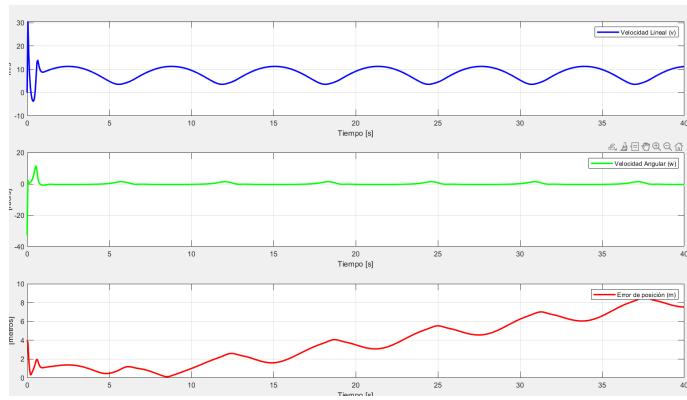
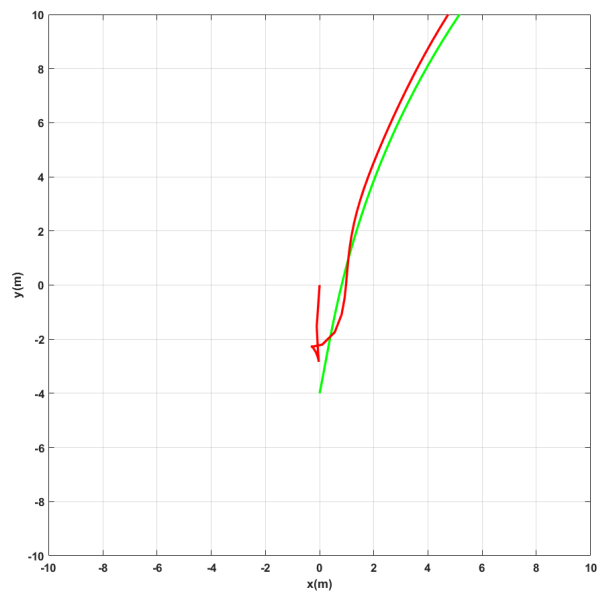
e) $x = 17\cos(t) + 7\cos(17+7t)$, $y = 17\sin(t) - 7\sin(17+7t)$,



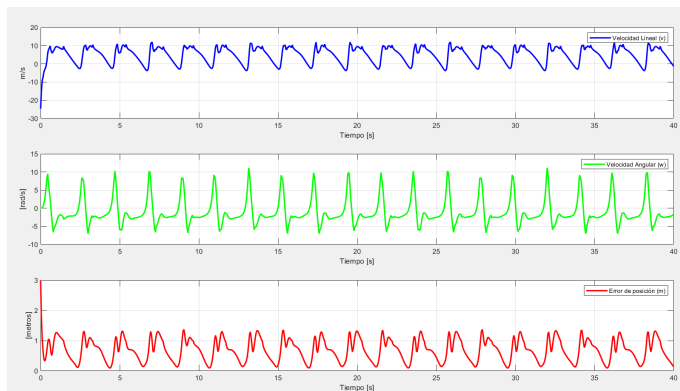
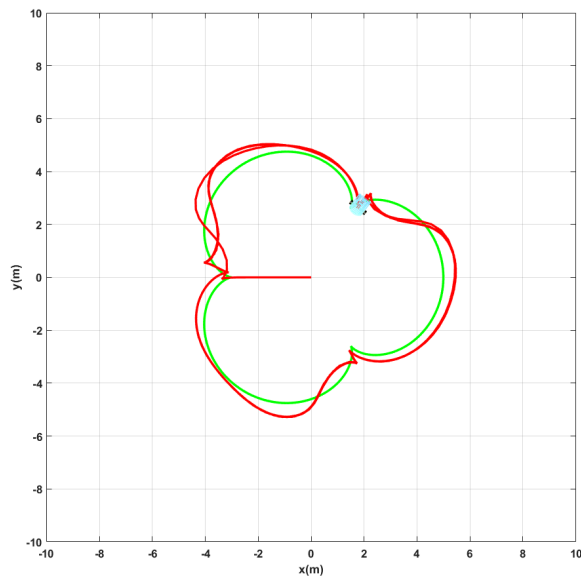
f) $x = 2\cos(t)$, $y = 2\sin(t)$



g) $x = 5t - 4\sin(t)$, $y = 5t - 4\cos(t)$

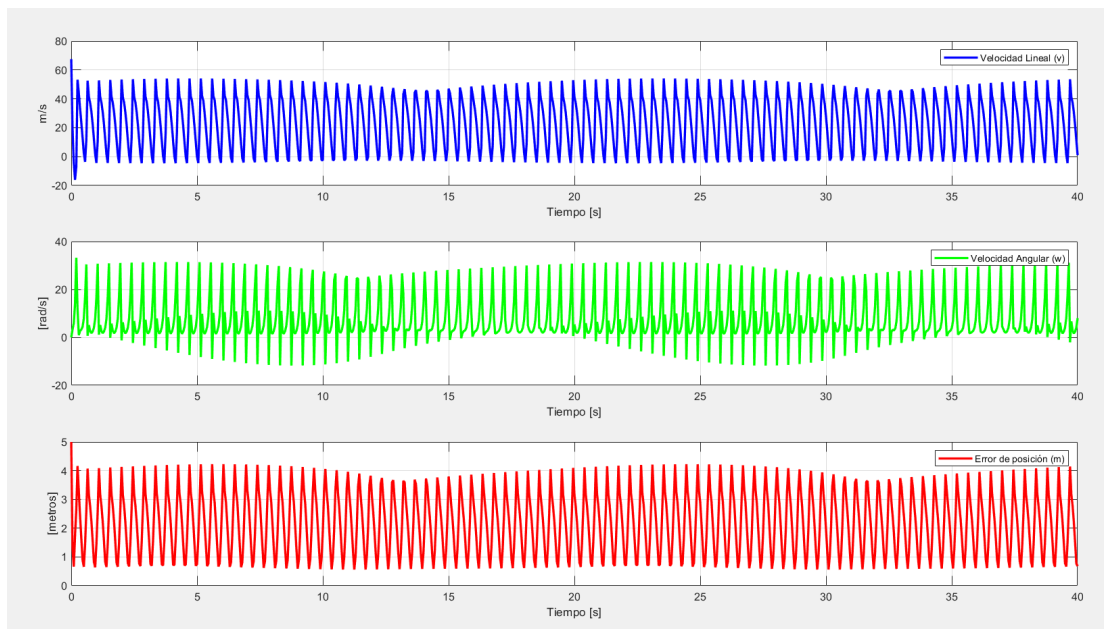
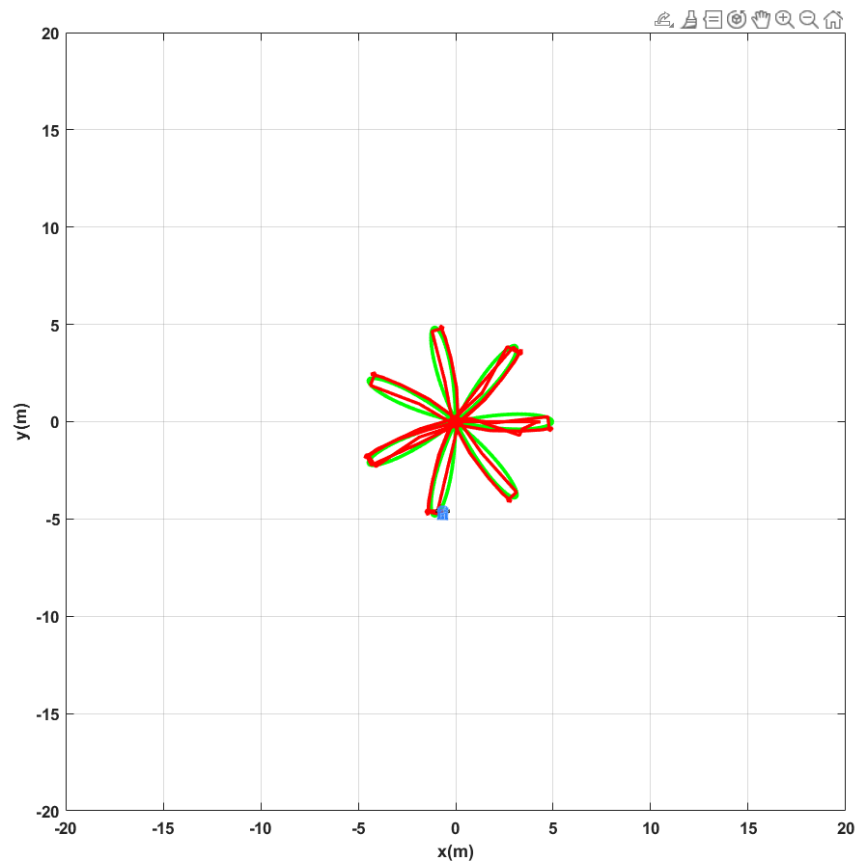


h) $x = 4\cos(t) + \cos(4t)$, $y = 4\sin(t) - \sin(4t)$



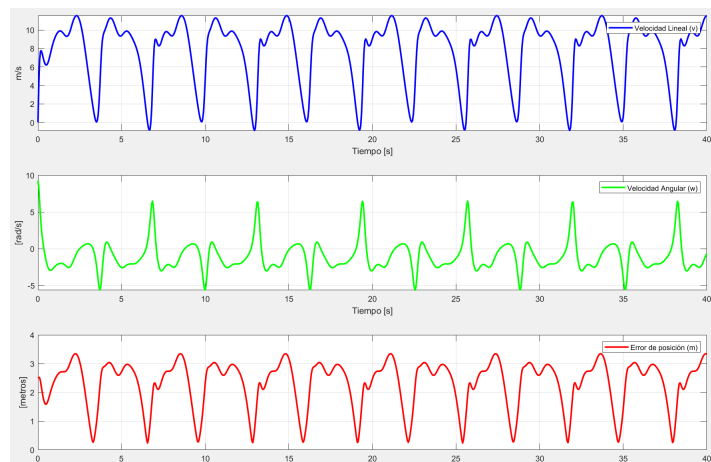
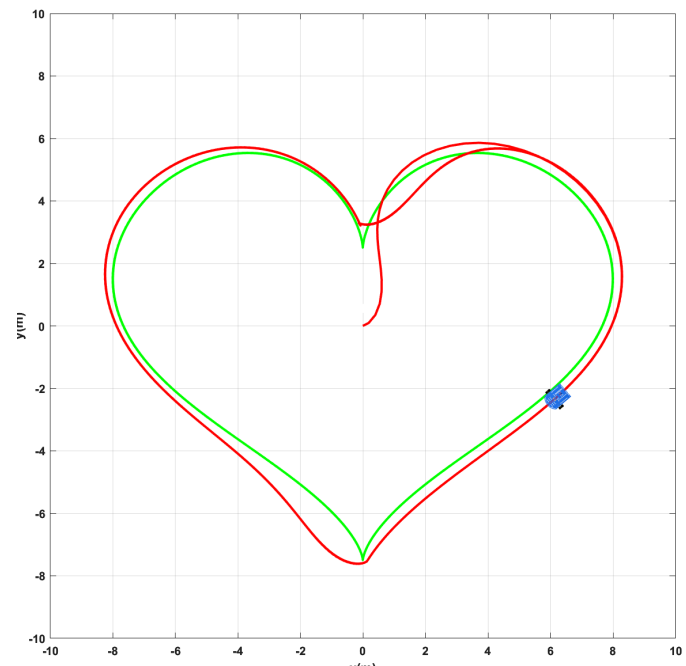
Como se puede observar en la trayectoria se encuentra un error considerablemente grande en la pintas que se generan de la trayectoria , el cual introduce un error más grande a la hora de buscar reponer el error causado.

Estrella de 7 picos



Aunque presenta muchas oscilaciones, el error en la posición no supera las 5 unidades.

Corazón



El error de esta trayectoria es de hasta casi 4 unidades.