

Actividad en Clase

Dinámica Computacional de Sistemas Multicuerpo

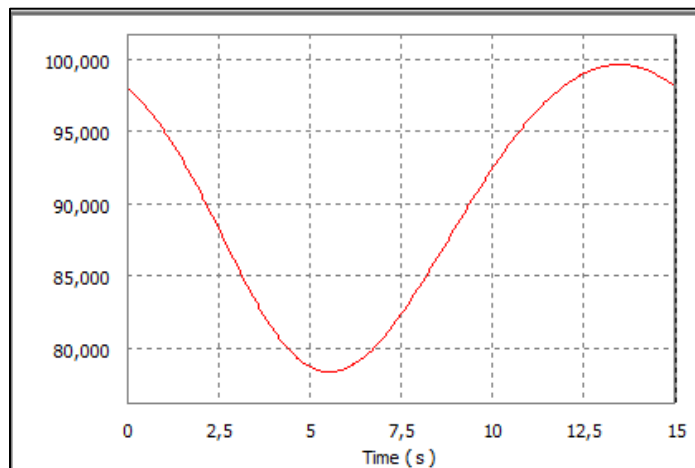
Camilo Andres Vera Ruiz

caverar@unal.edu.co

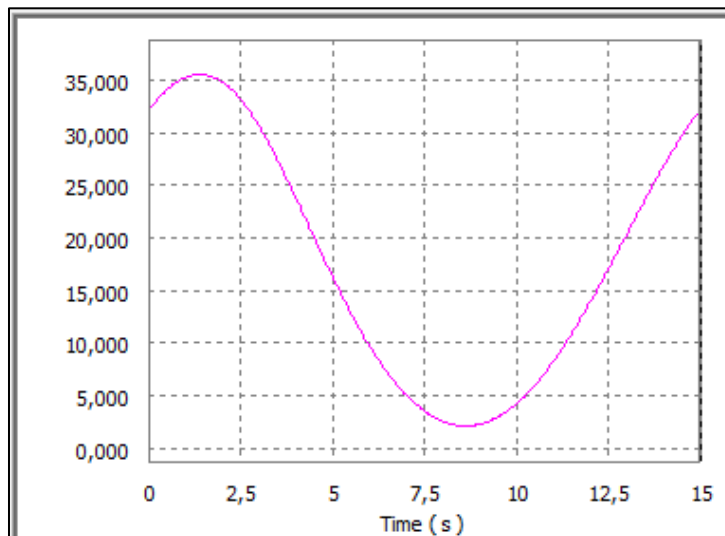
Análisis Cinemático:

1. Posición

Theta3 [deg]

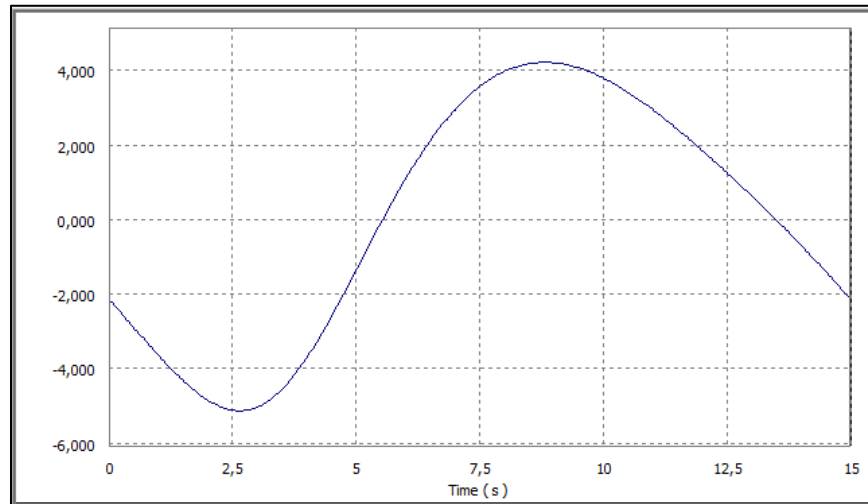


Theta4 [deg]

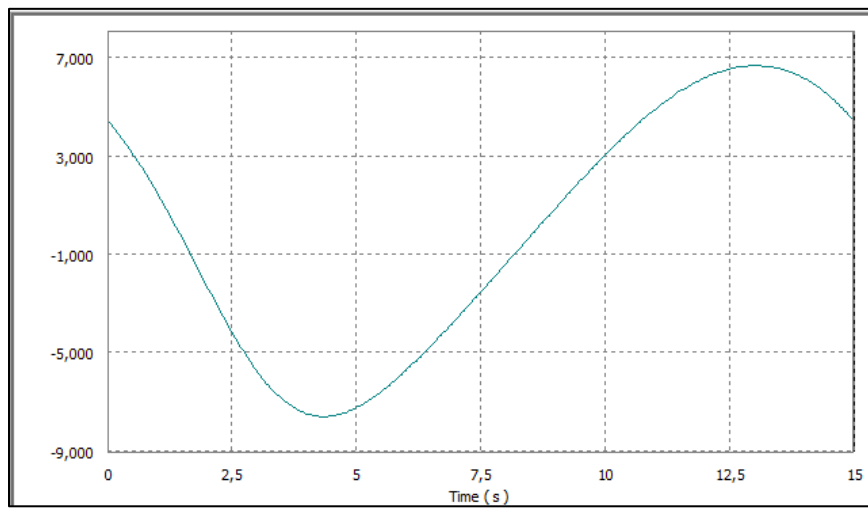


2. Velocidad

Ω_3 [deg/s]

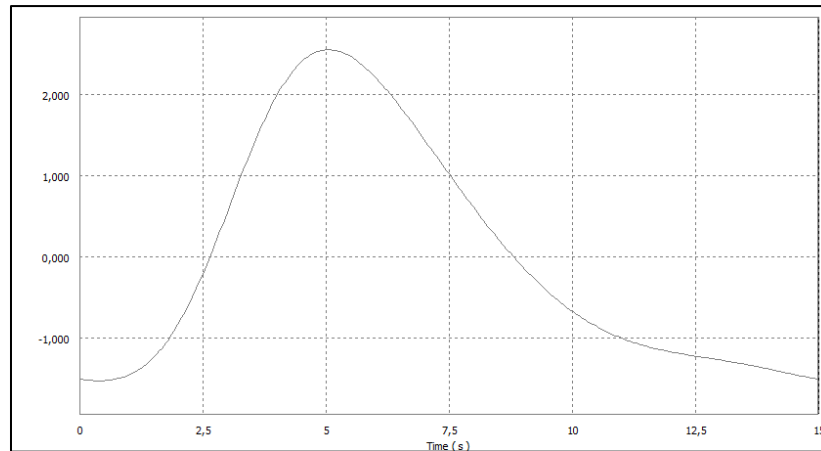


Ω_4 [deg/s]

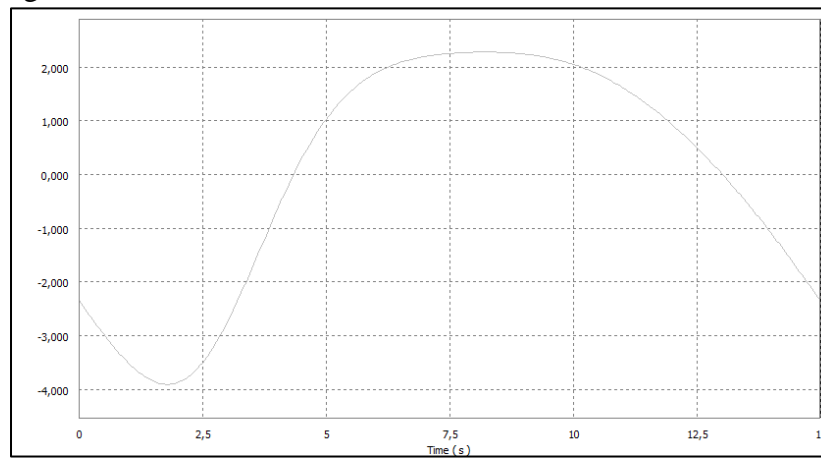


3. Aceleración

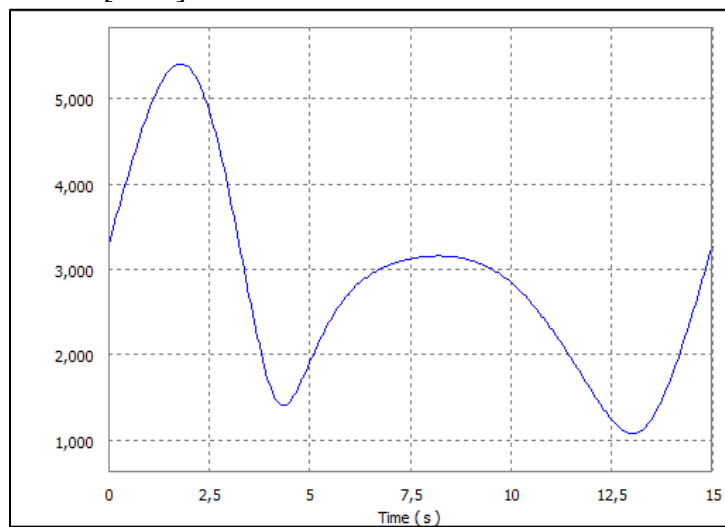
Alpha3 [deg/s²]



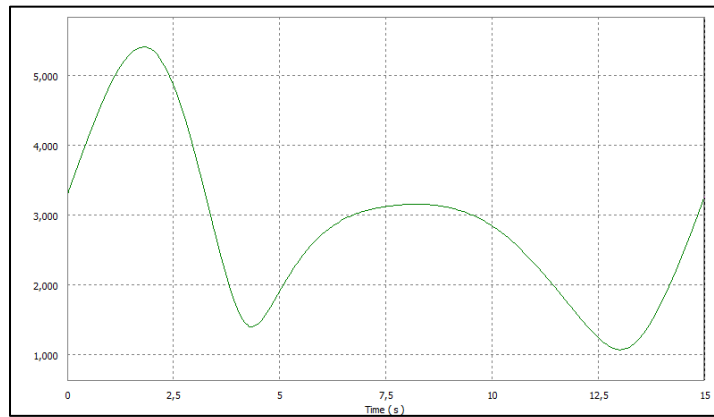
Alpha4 [deg/s²]



Aceleración de CG3 [in/s²]

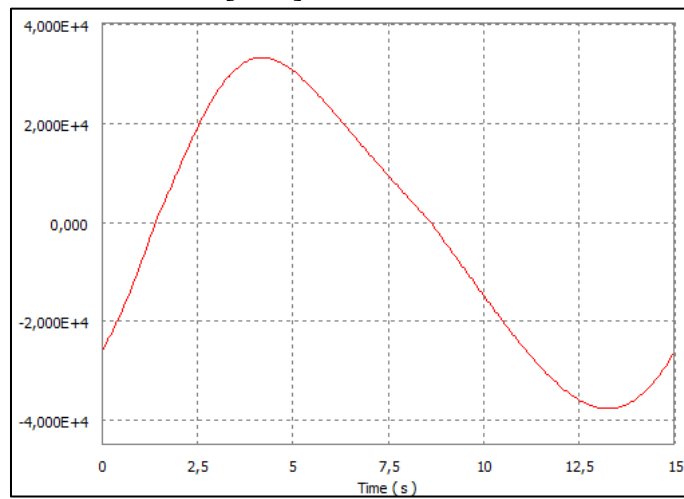


Aceleración de CG4 [in/s²]



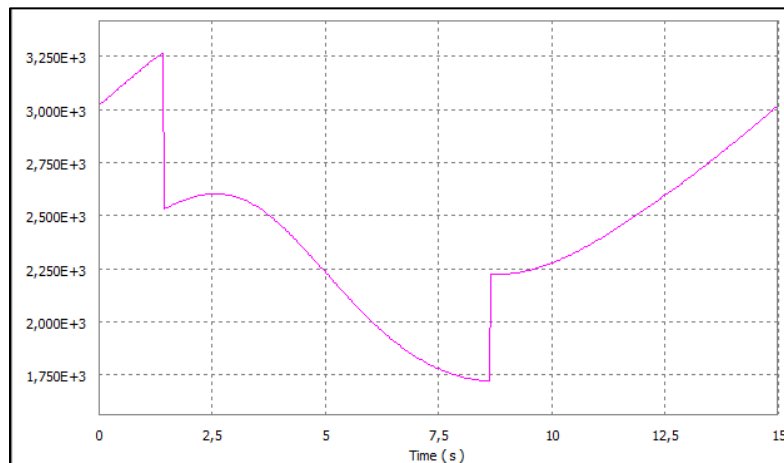
Análisis Dinámico

4. Torque aplicado en la manivela [lb in]

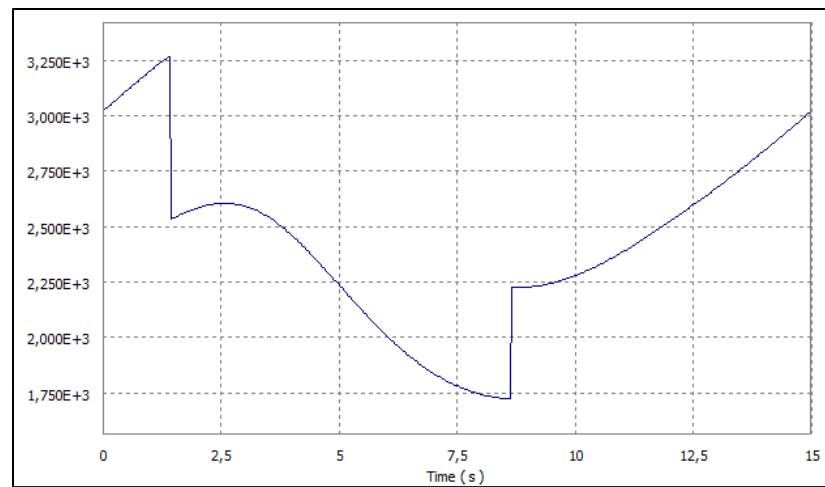


5. Reacciones en las juntas

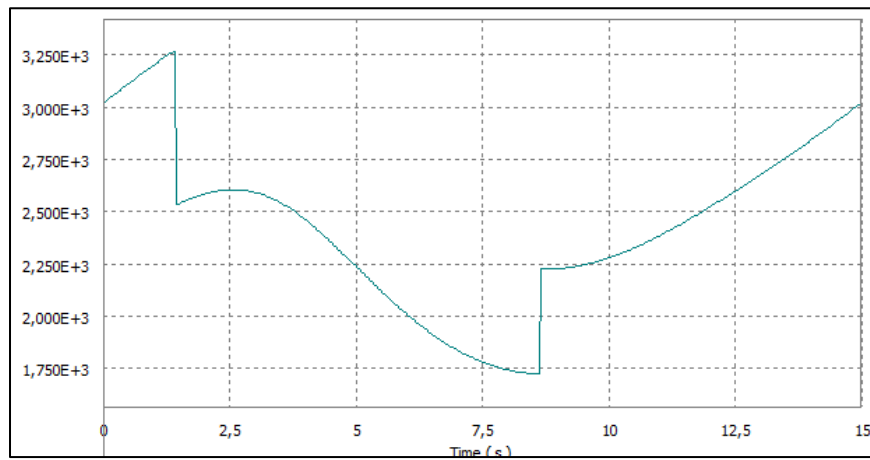
F12 [lb fuerza]



F32 [lb fuerza]



F43 [lb fuerza]



F14: [lb fuerza]

