

Resumen de los resultados obtenidos

Hemos realizado el experimento con 6 sujetos. Hemos hecho 80 repeticiones por fase con 8 puntos. En algunos sujetos los puntos aparecían en orden (10 repeticiones en la primera posición, 10 en la segunda, etc.) y en otros aparecían de forma aleatoria.

- Sujeto 1 (mujer, 20 años): en orden
- Sujeto 2 (mujer, 23 años): aleatoria
- Sujeto 3 (mujer, 60 años): aleatoria
- Sujeto 4 (hombre, 50 años): en orden
- Sujeto 5 (mujer, 60 años): en orden

Las graficas que he obtenido muestran:

- Diferencia que hay en cada iteracion entre el punto objetivo y el ultimo punto al que se ha llevado el cursor, es decir, el error que se comete.
- Tiempo que se tarda en cada intento.
- Distancia en el eje de la x y en el de la y, y velocidad en cada uno de los ejes.

Los datos estan organizados en carpetas: cada sujeto tiene una carpeta con su nombre, y dentro de esa carpeta hay 4, una por cada fase del experimento (sin fuerza, con fuerza, sin fuerza y sin cursor, con fuerza y sin cursor). Dentro de cada carpeta de cada fase habra otras carpetas, cuyo nombre sera el angulo del punto objetivo (0, 45, 90, 135, 180, 225, 270 y 315 grados). En la carpeta general de la fase estara la grafica con los errores totales de esa fase, y en cada subcarpeta la grafica con los errores de cada punto objetivo.

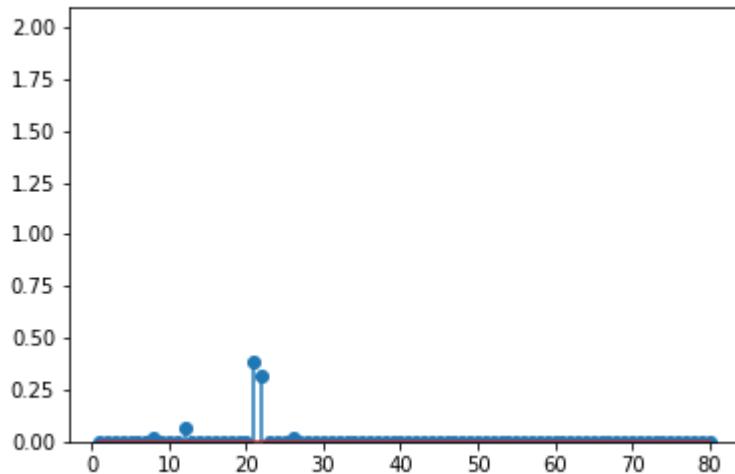
Comparacion entre las fases de cada sujeto

Se muestra primero las graficas globales de cada fase, con todas las iteraciones. Después las graficas por separado de cada punto objetivo (0, 45, 90, 135, 180, 225, 270 y 315 grados, en ese orden).

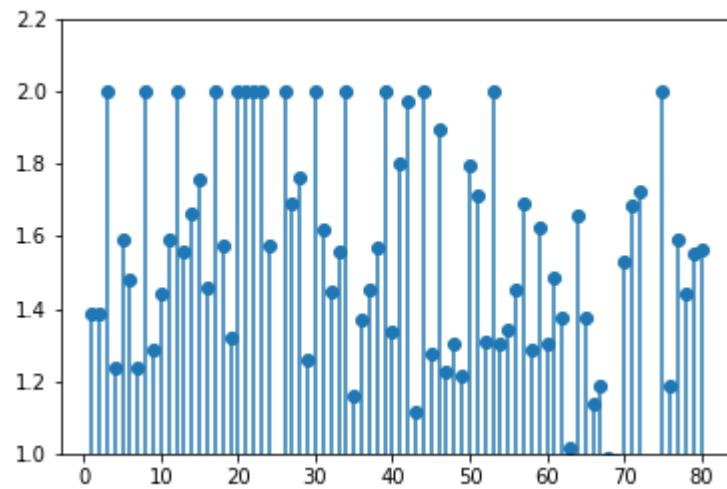
Sujeto 1

Sin fuerza

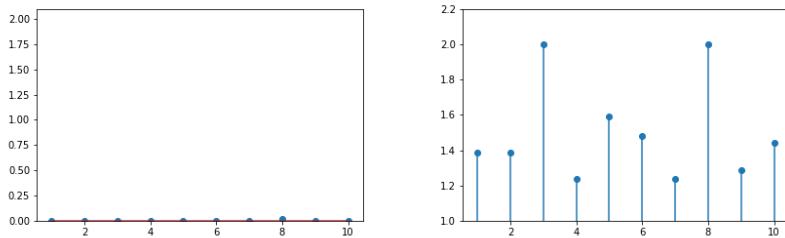
Errores:



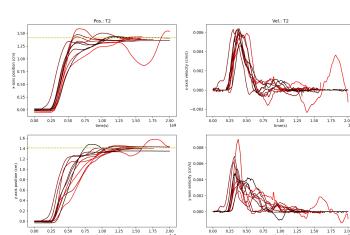
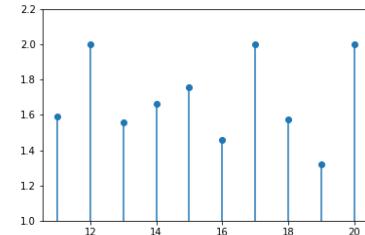
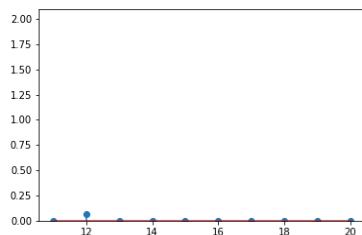
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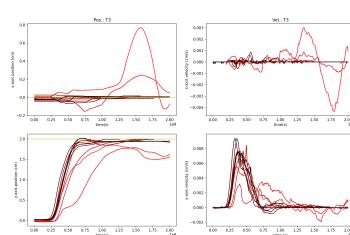
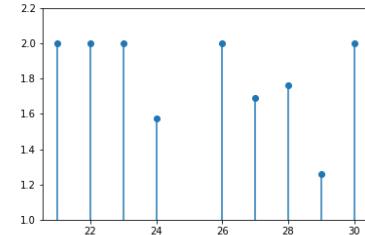
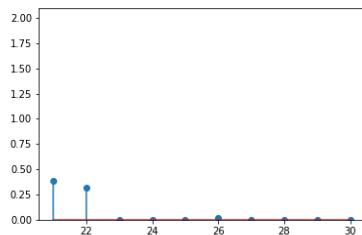
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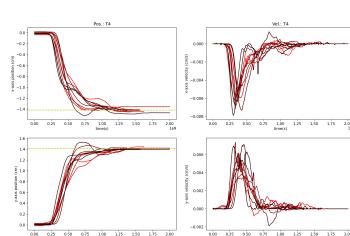
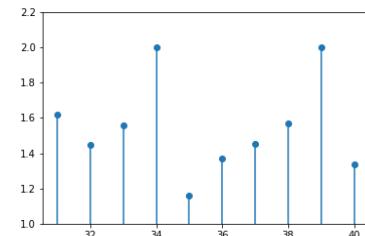
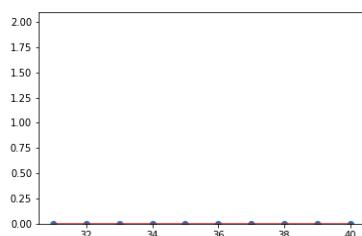
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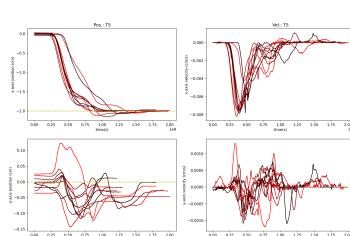
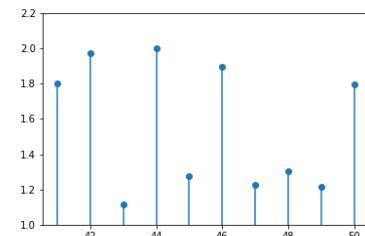
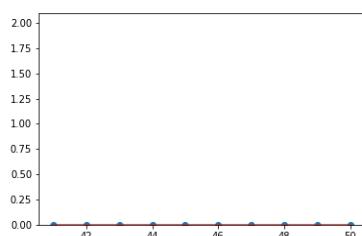
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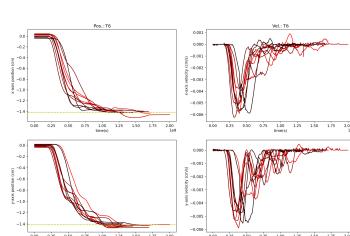
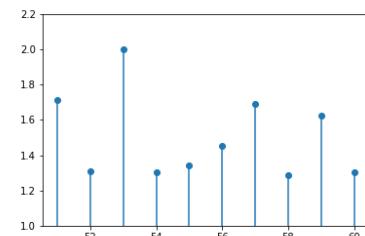
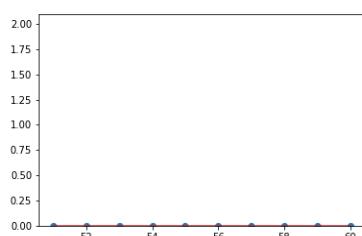
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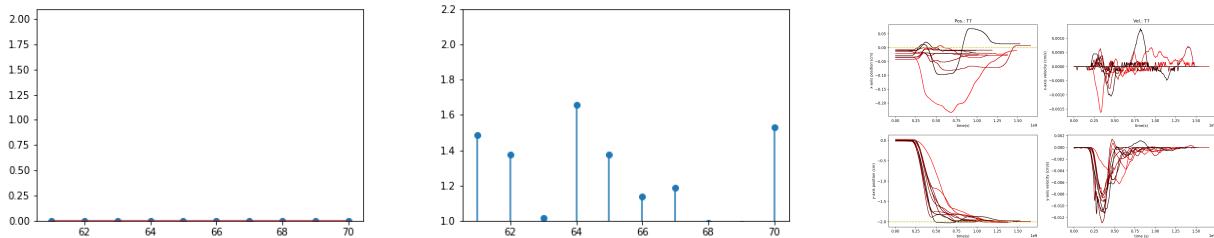
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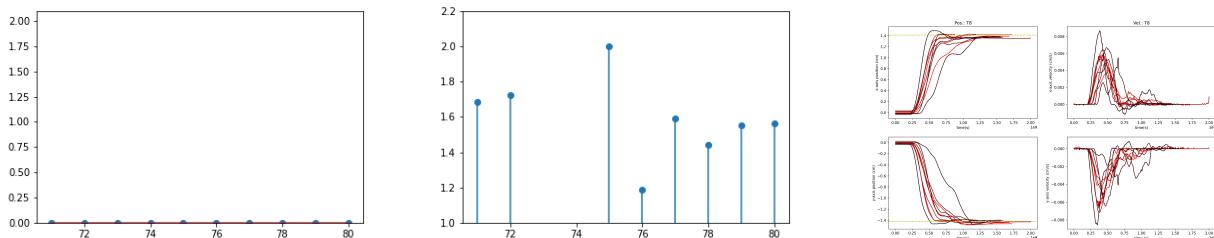
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Posición 7:

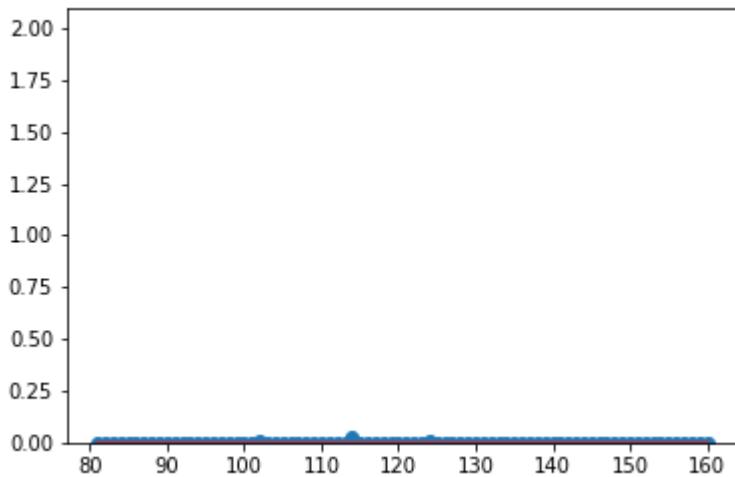


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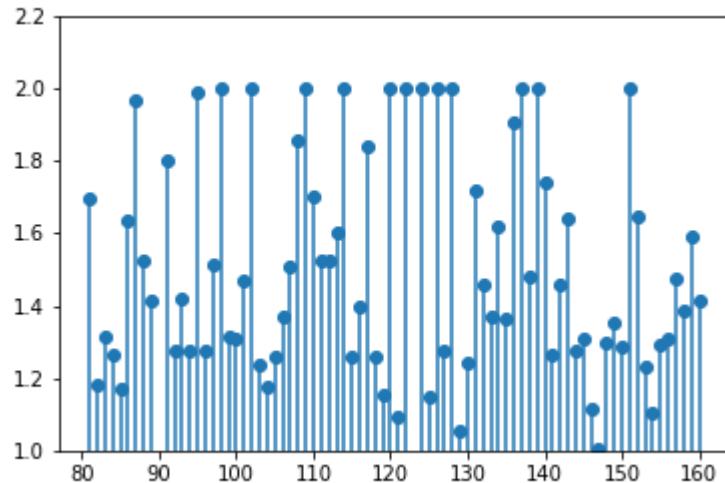


Con fuerza

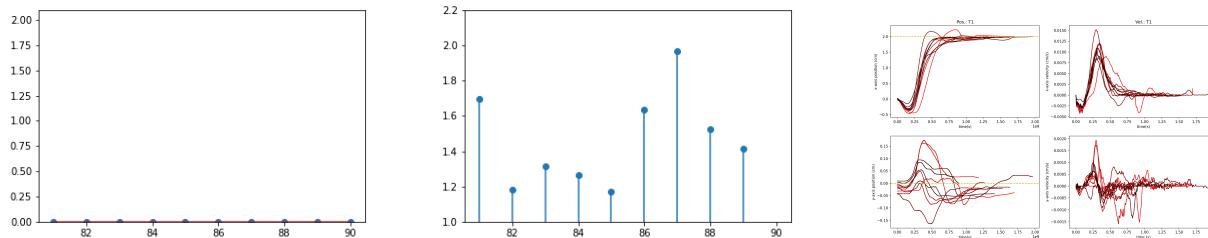
Errores:



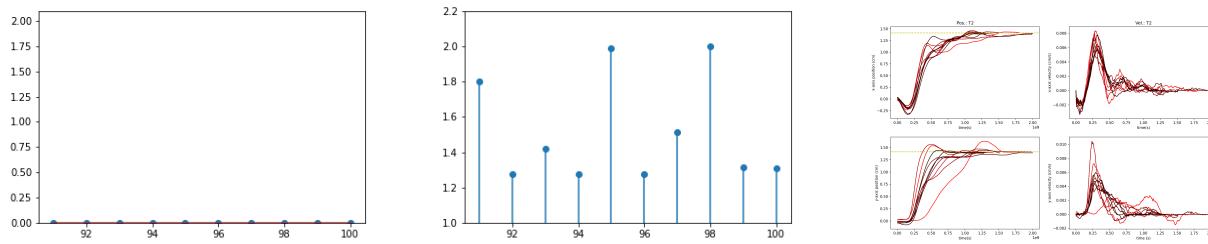
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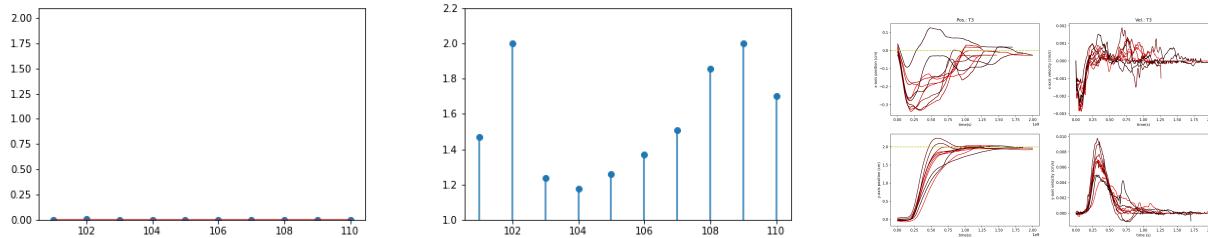
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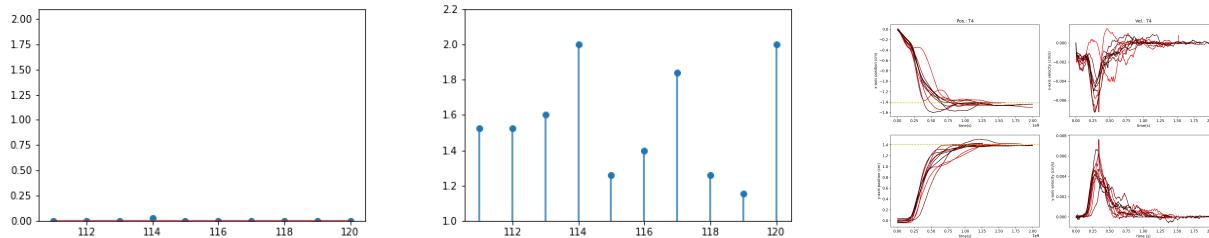
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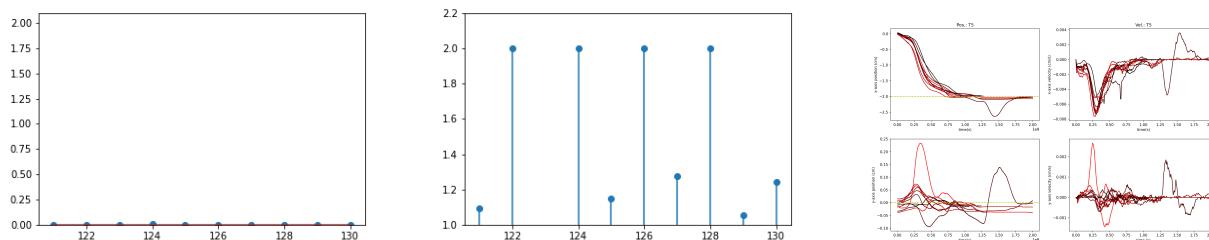
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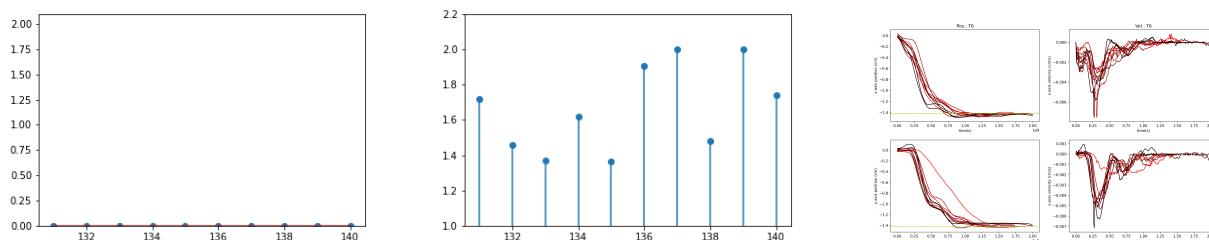
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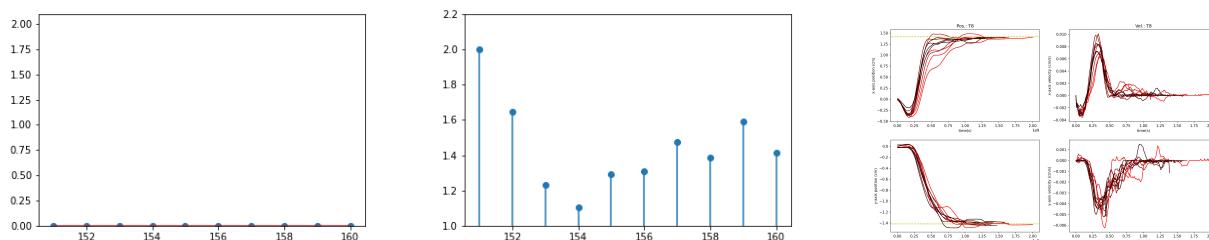
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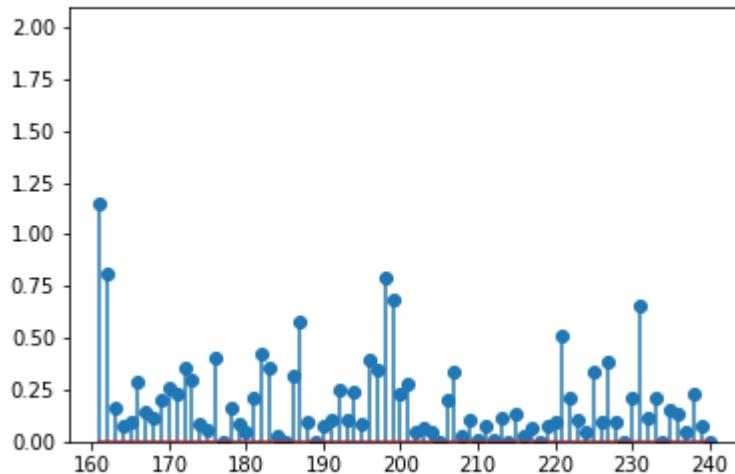
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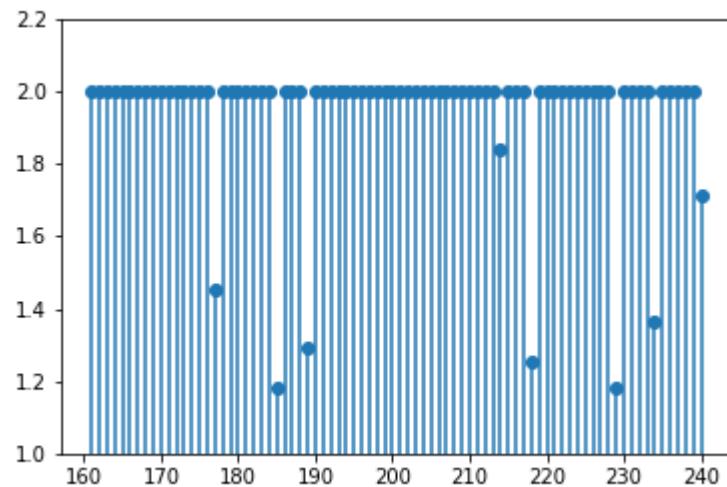
Posición 7:

**Sin fuerza, sin cursor**

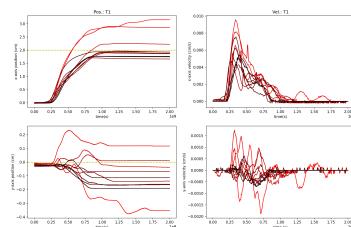
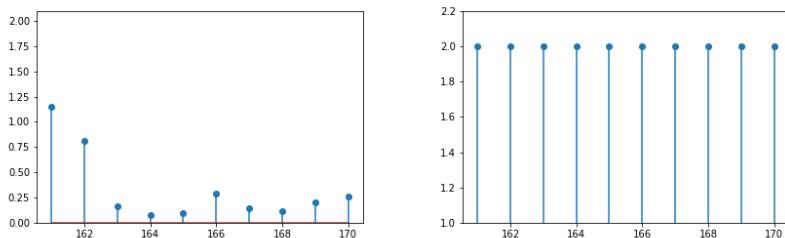
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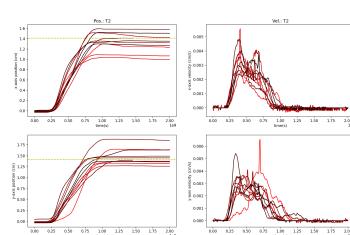
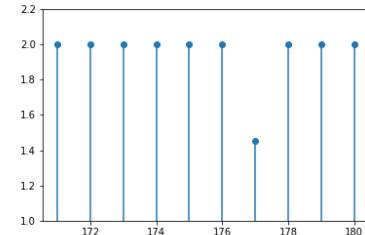
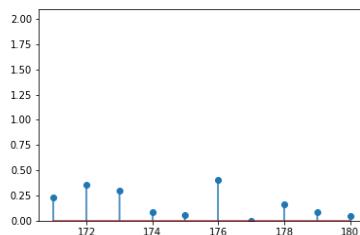
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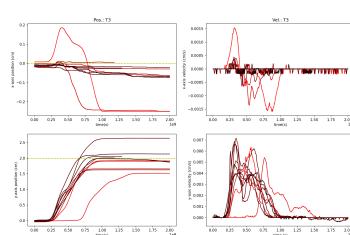
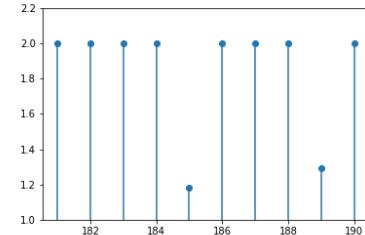
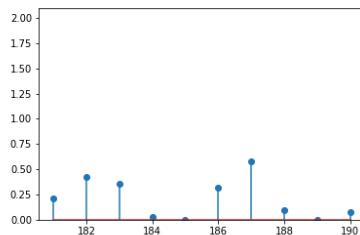
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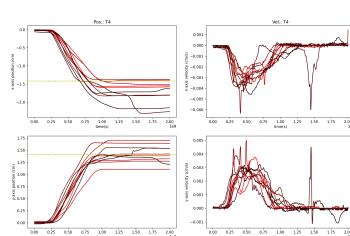
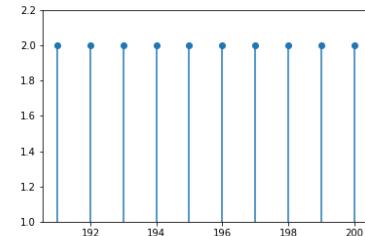
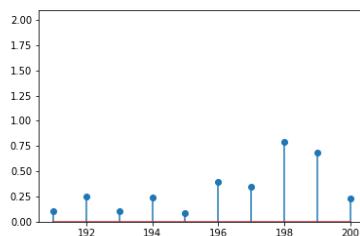
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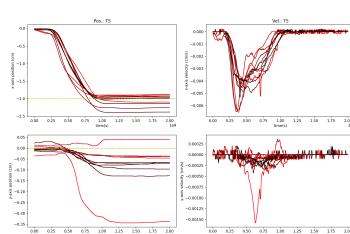
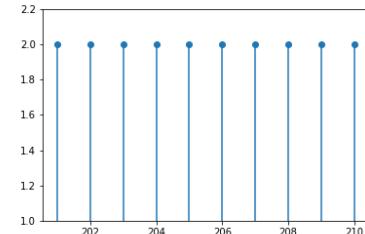
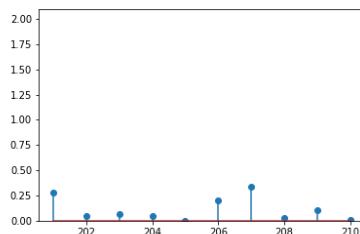
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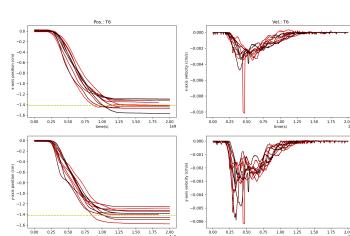
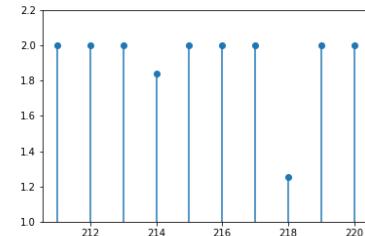
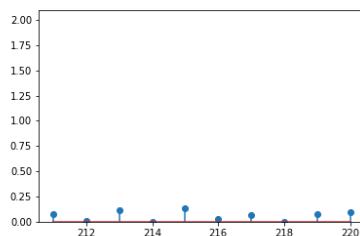
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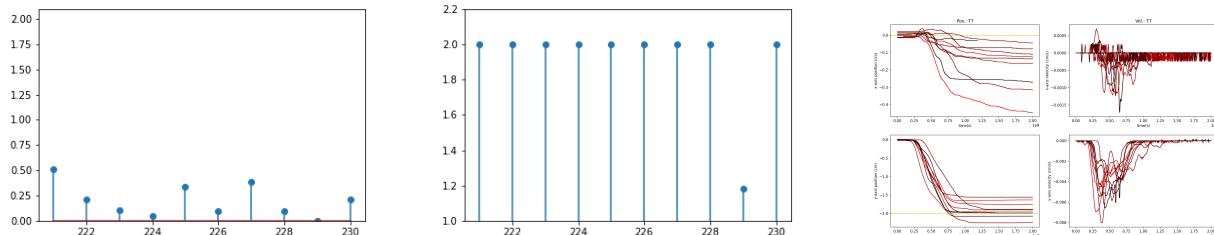
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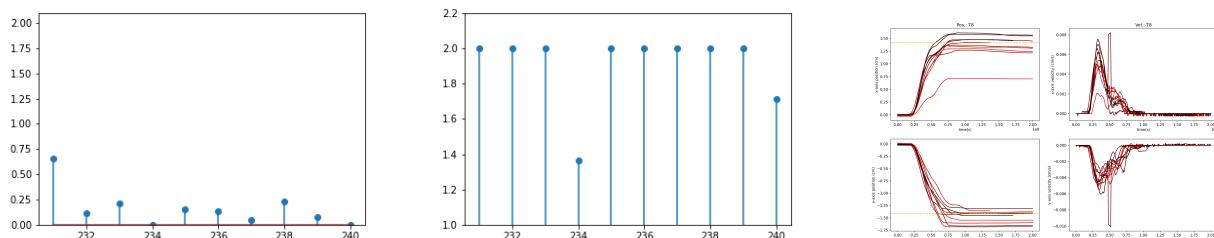
Posición 6:



Posición 7:

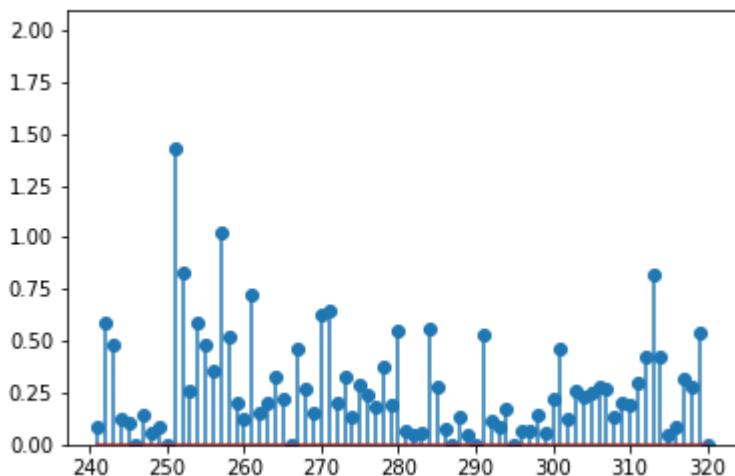


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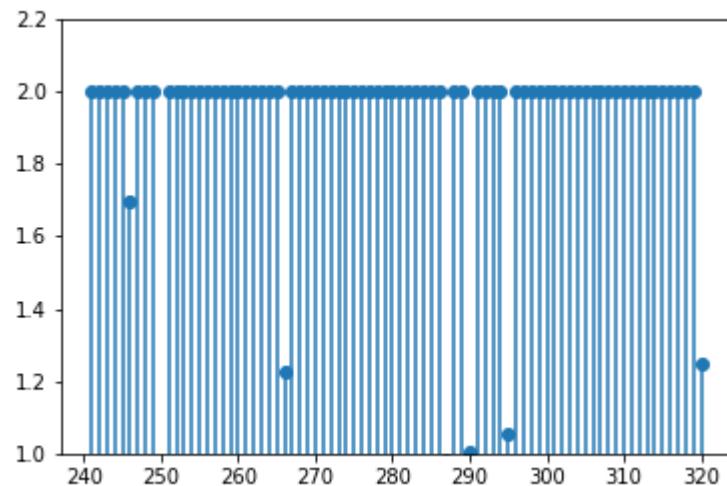


Con fuerza, sin cursor

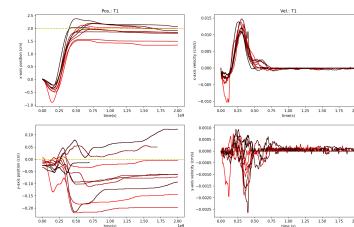
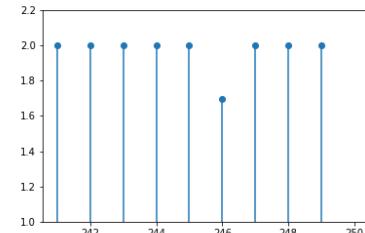
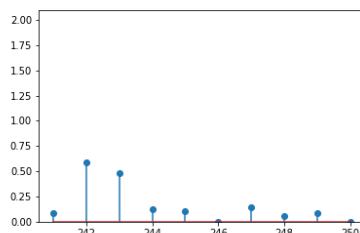
Errores:



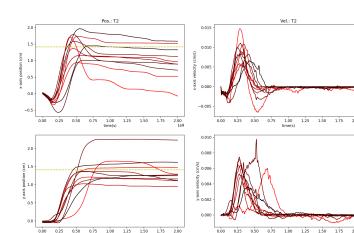
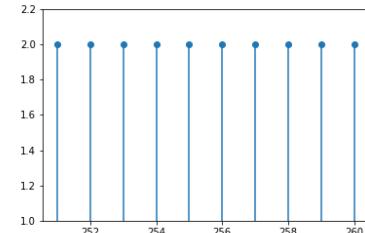
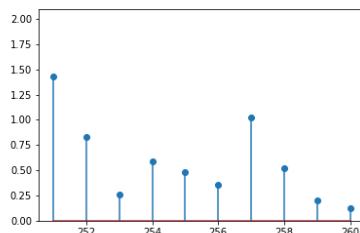
Tiempo:



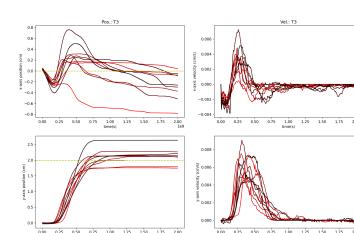
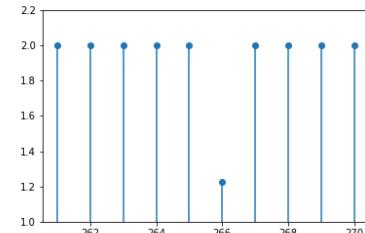
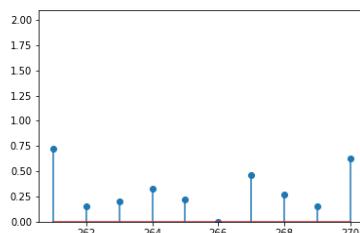
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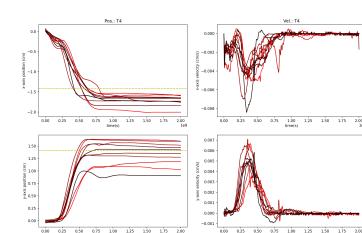
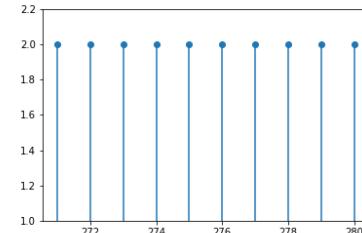
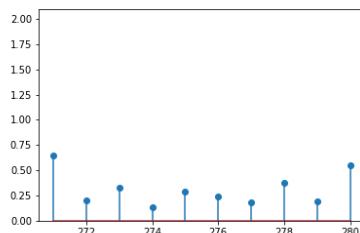
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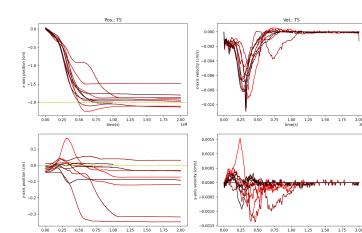
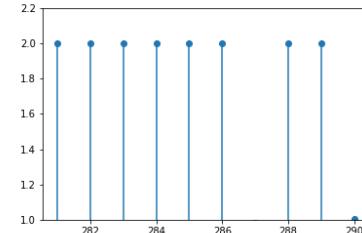
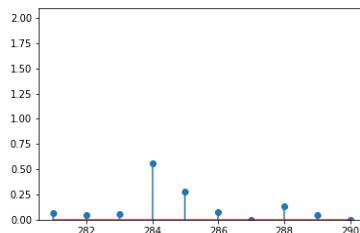
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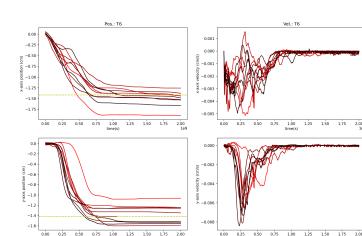
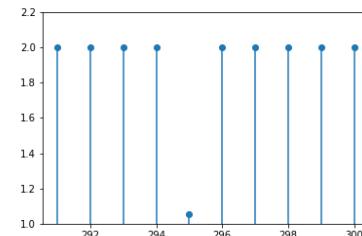
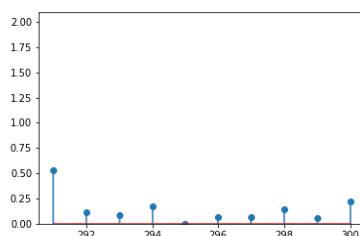
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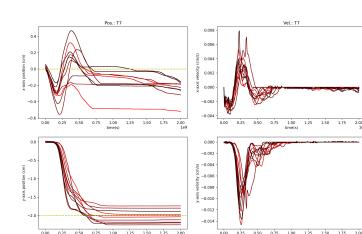
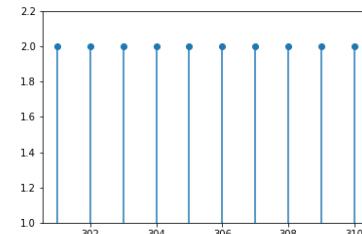
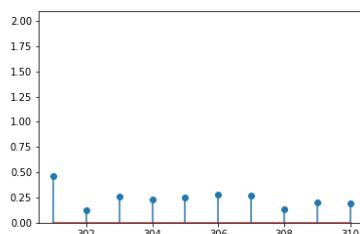
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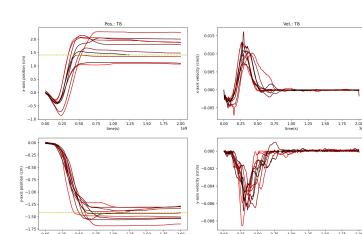
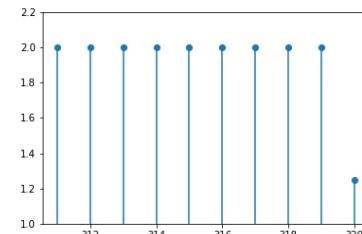
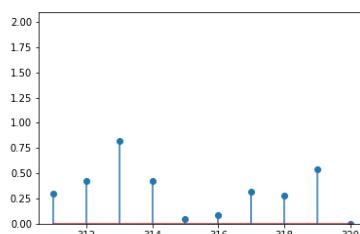
Posición 6:



Posición 7:



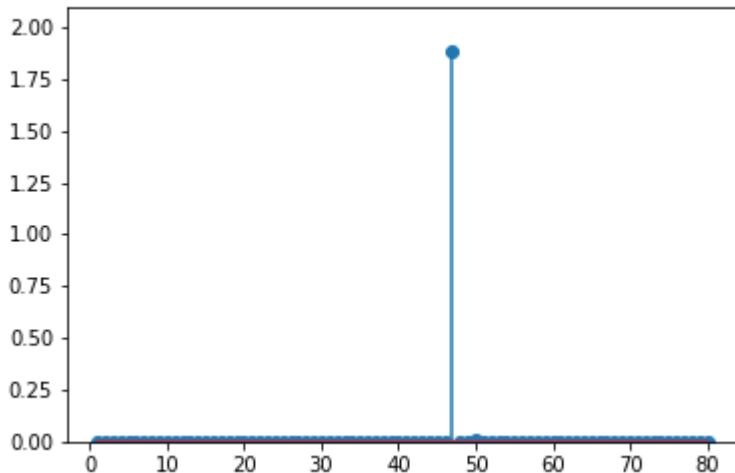
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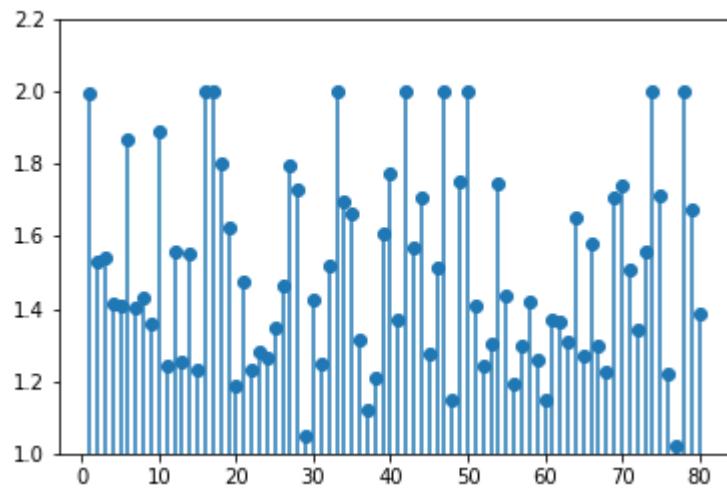
Sujeto 2

Sin fuerza

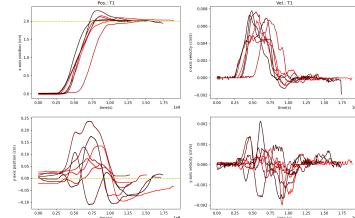
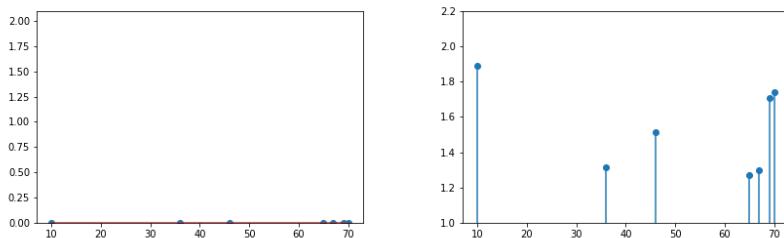
Errores:



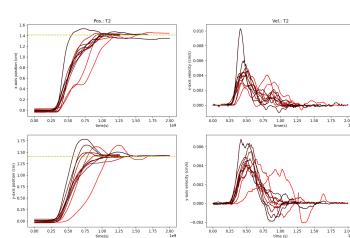
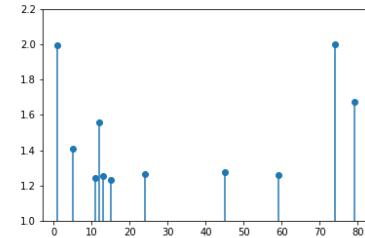
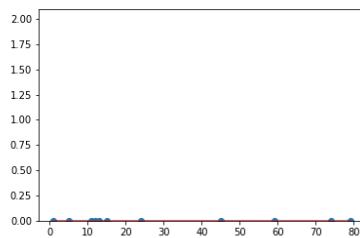
Tiempo:



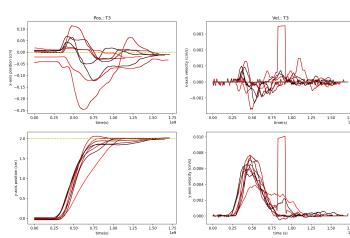
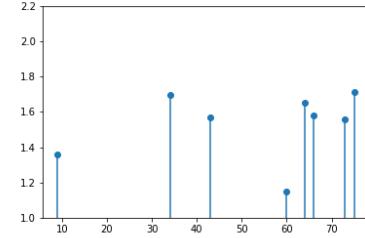
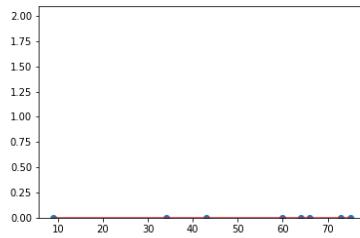
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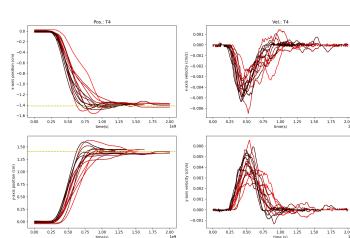
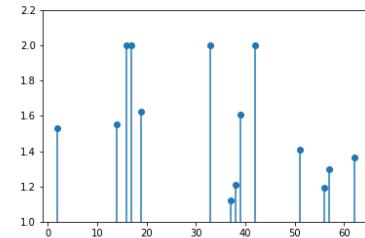
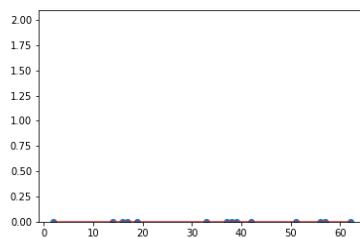
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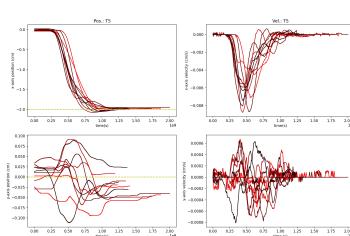
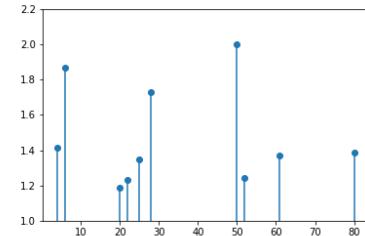
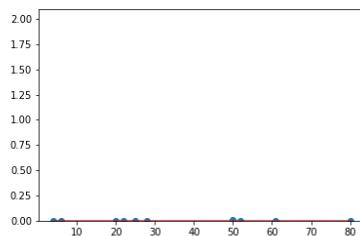
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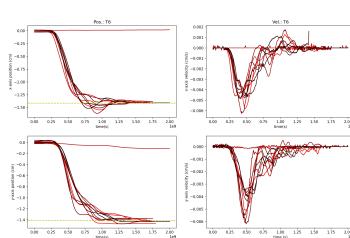
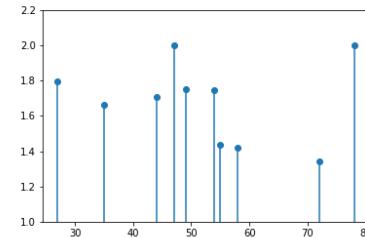
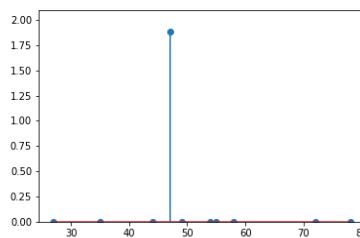
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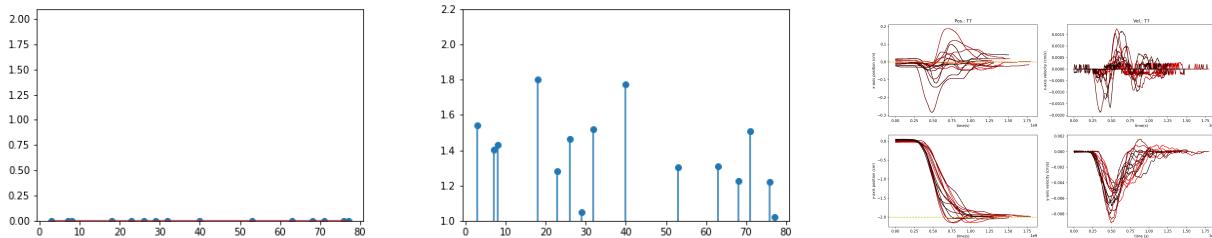
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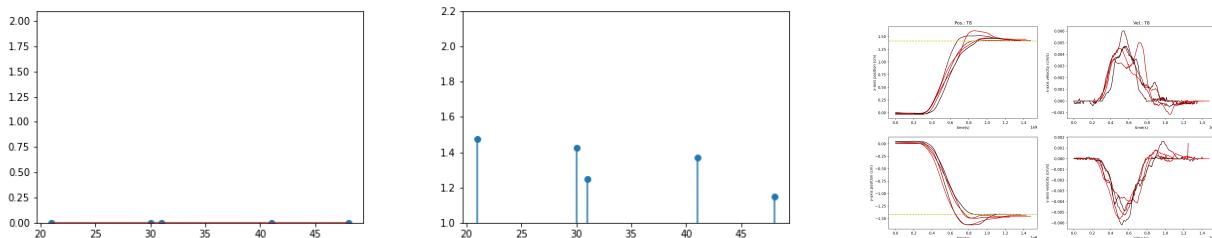
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Posición 7:

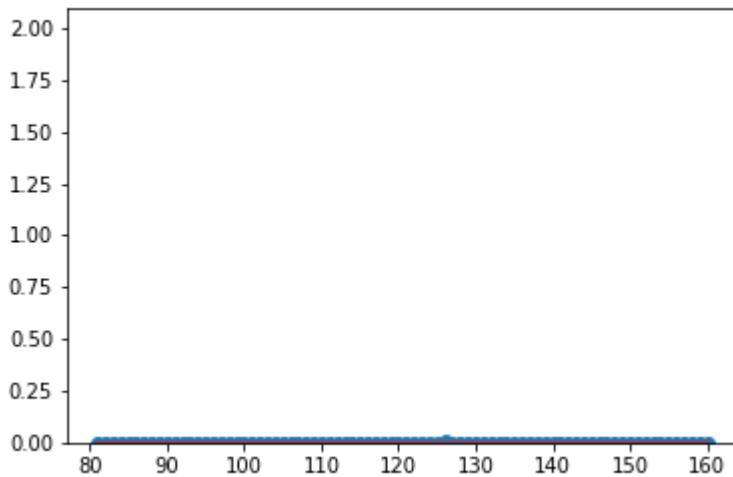


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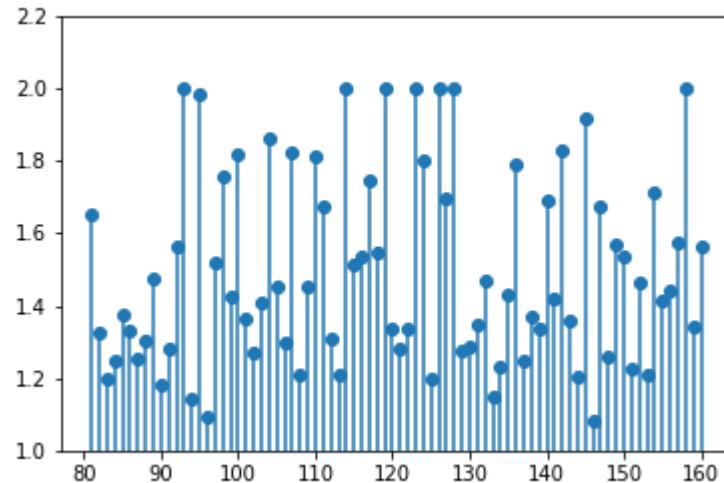


Con fuerza

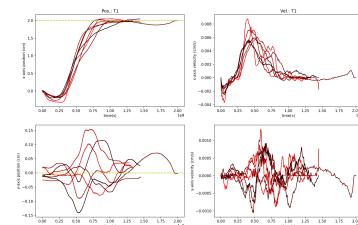
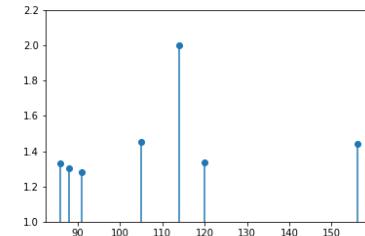
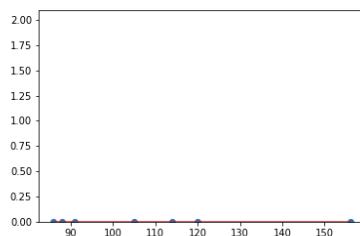
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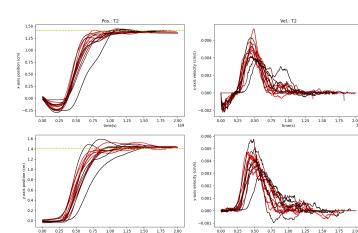
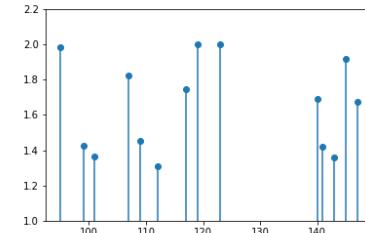
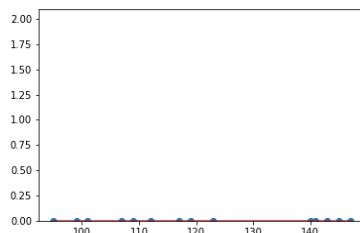
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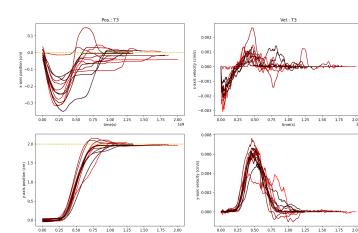
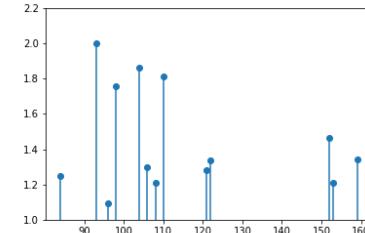
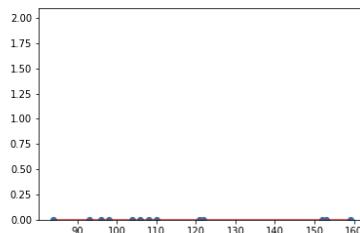
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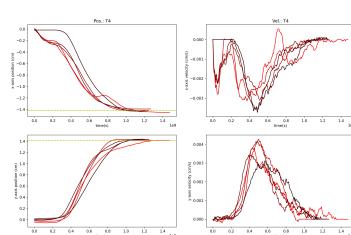
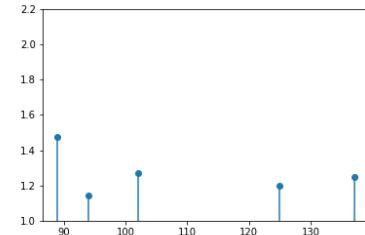
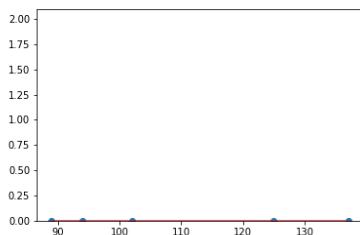
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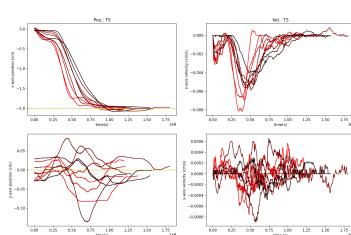
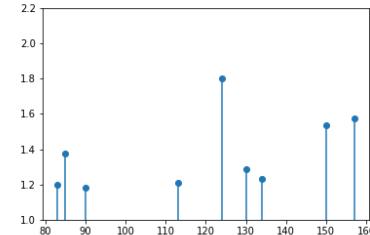
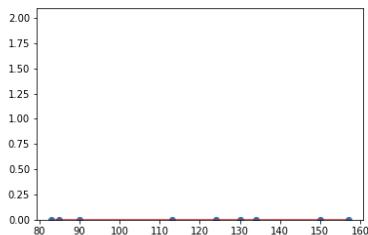
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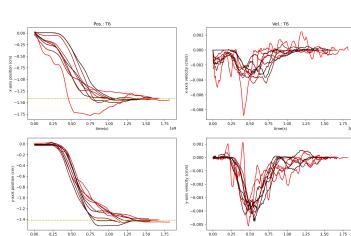
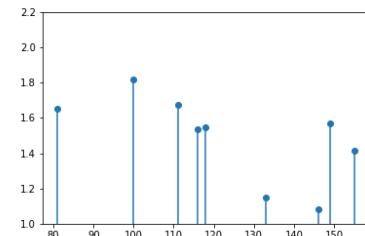
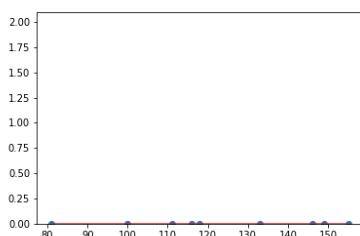
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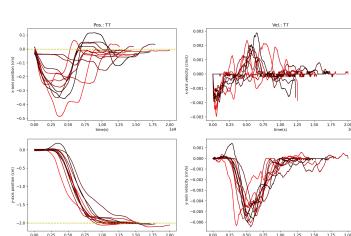
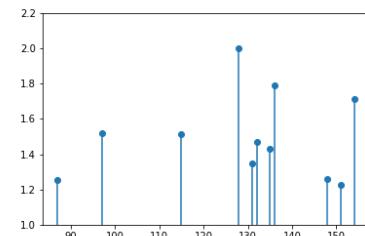
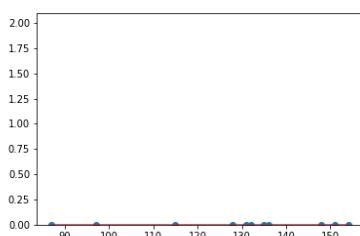
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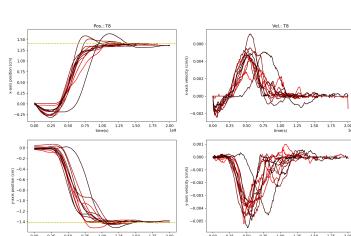
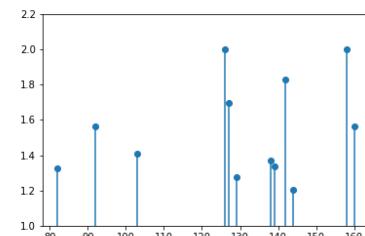
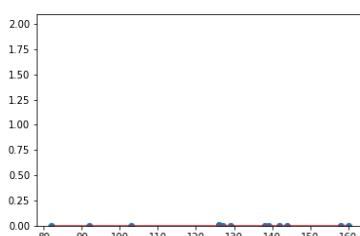
Posición 6:



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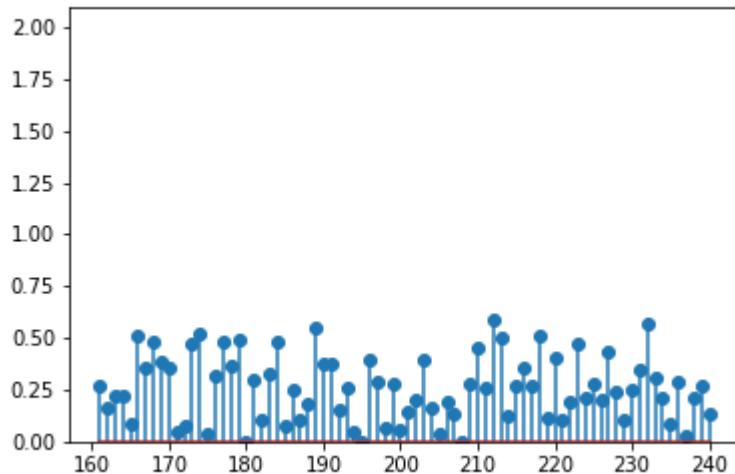


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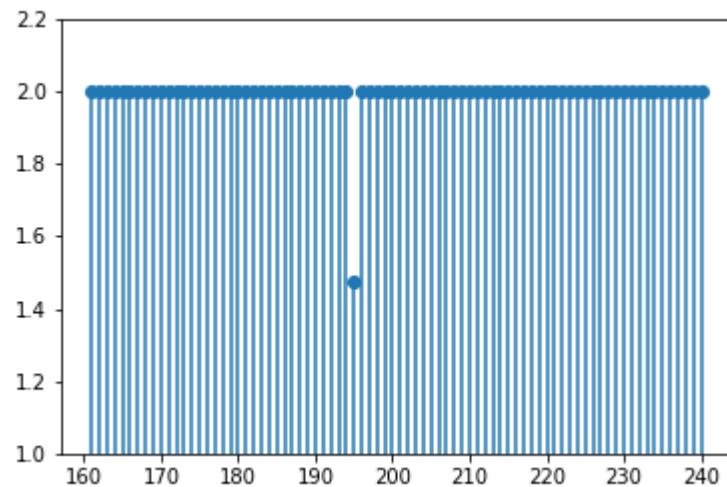


Sin fuerza, sin cursor

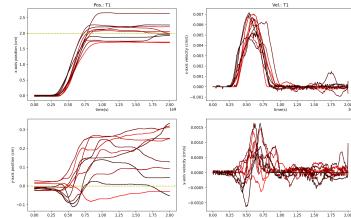
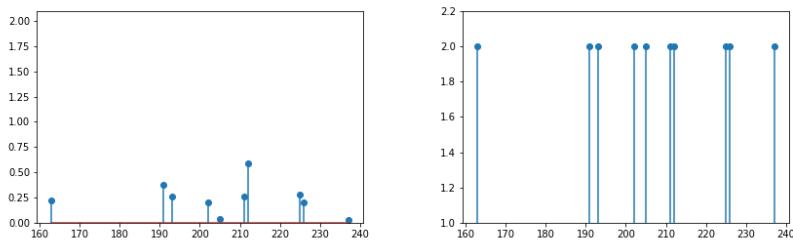
Errores:



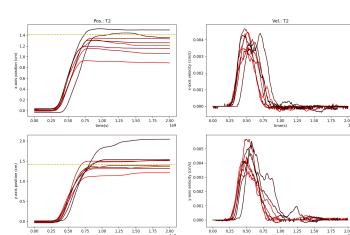
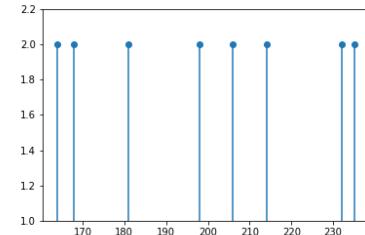
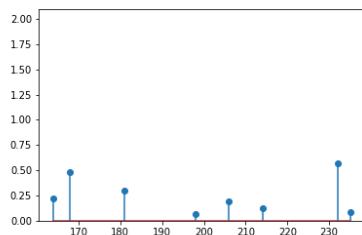
Tiempo:



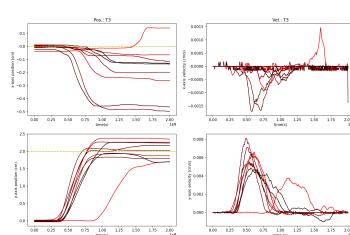
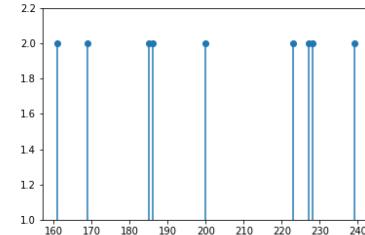
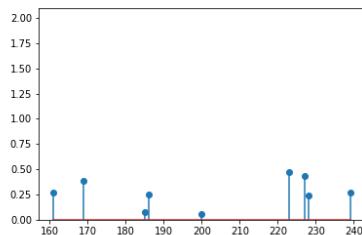
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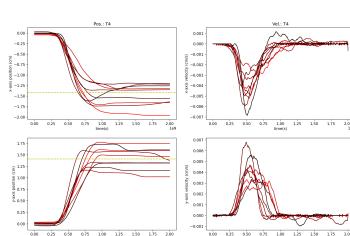
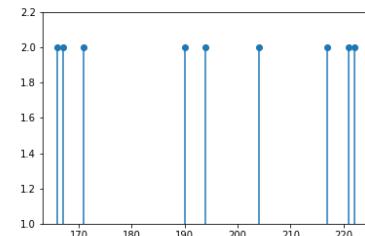
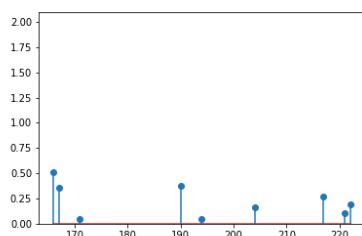
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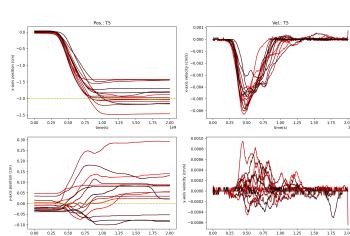
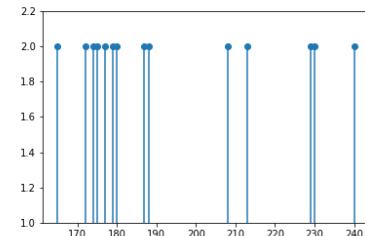
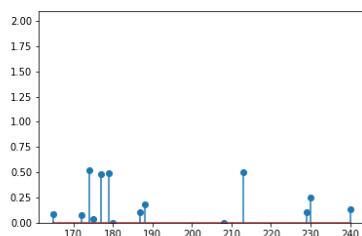
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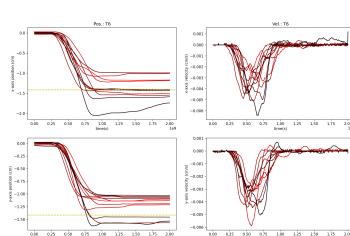
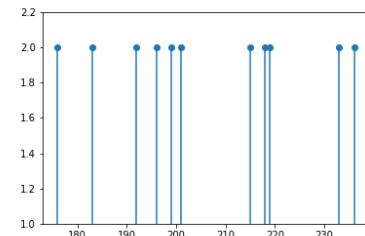
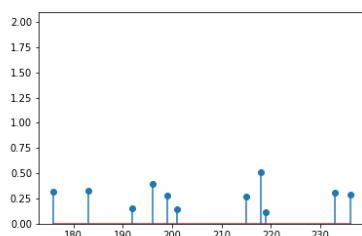
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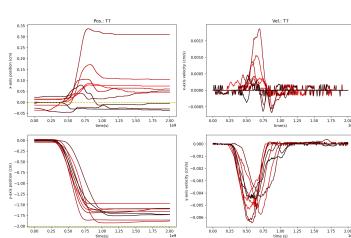
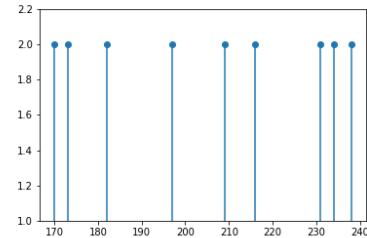
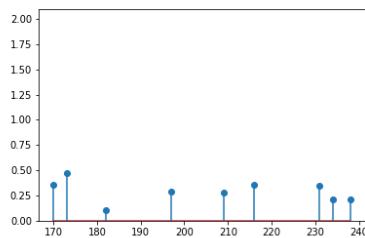
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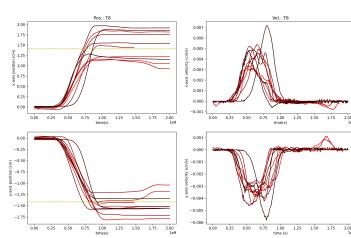
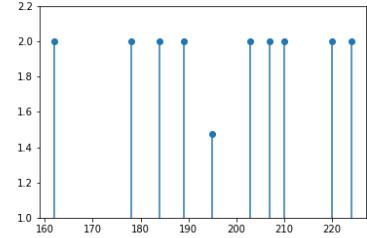
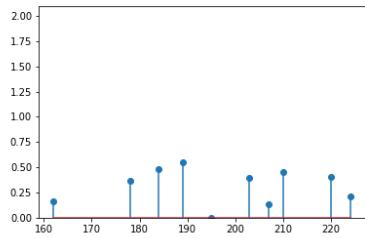
Posición 6:



Posición 7:

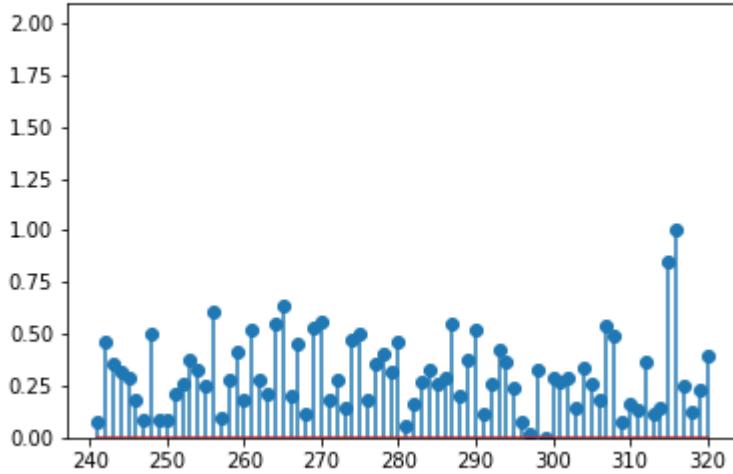


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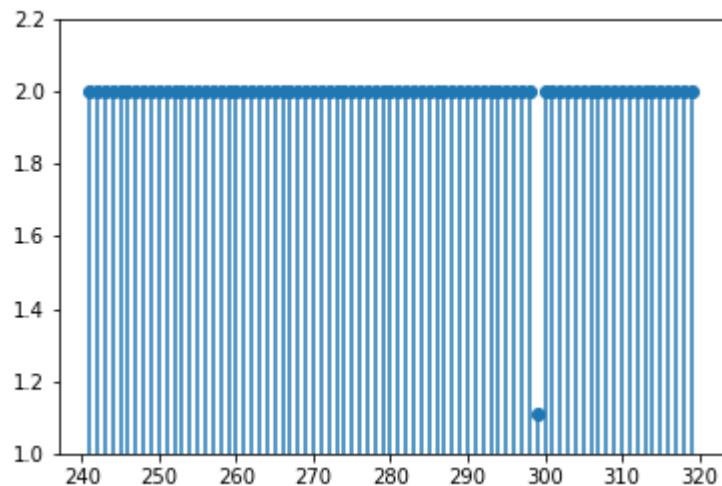


Con fuerza, sin cursor

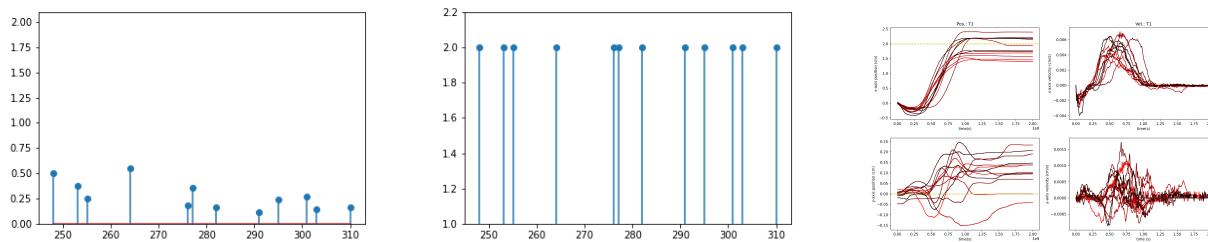
Errores:



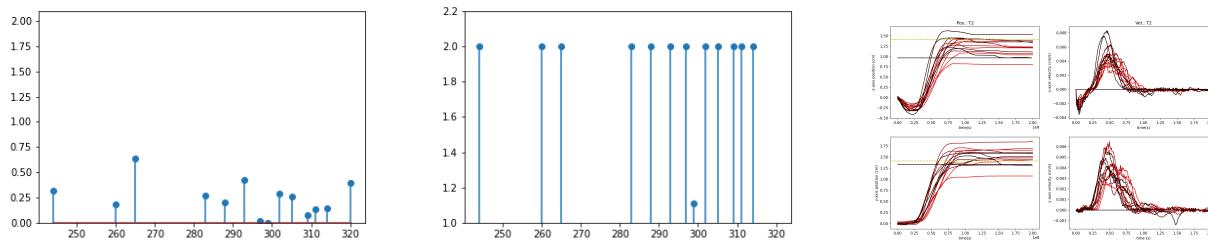
Tiempo:



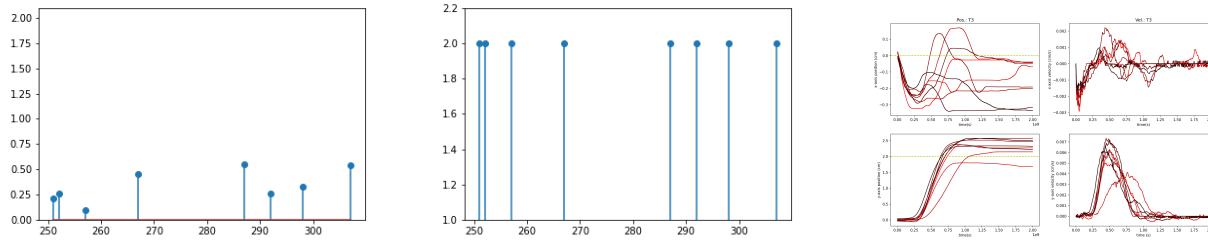
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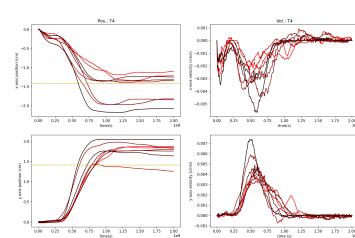
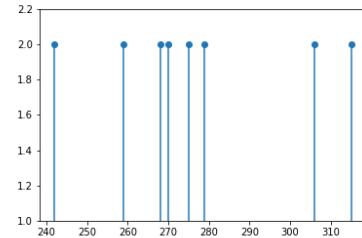
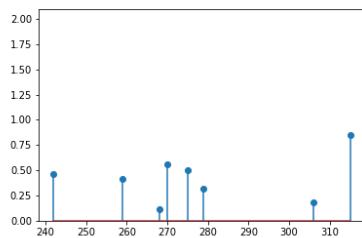
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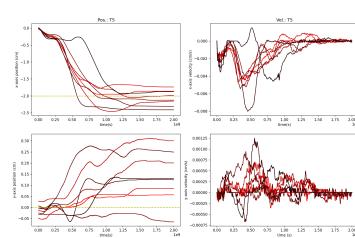
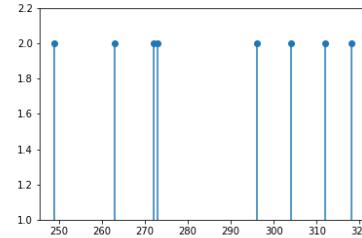
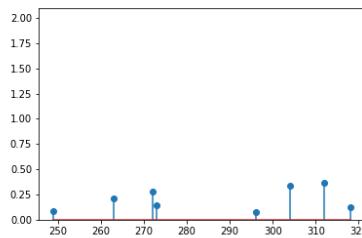
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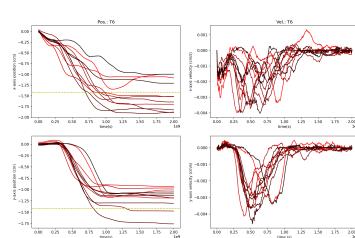
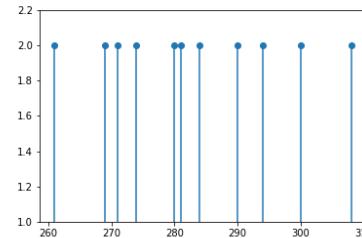
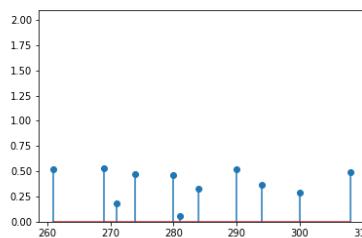
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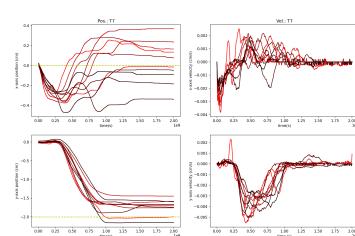
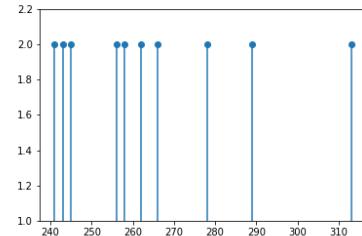
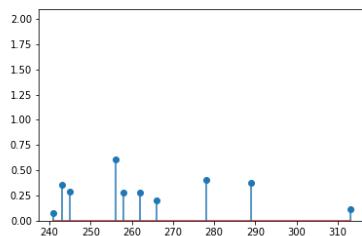
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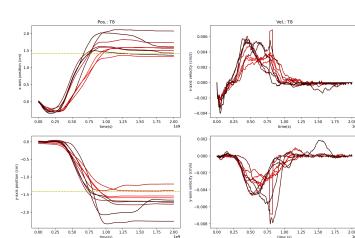
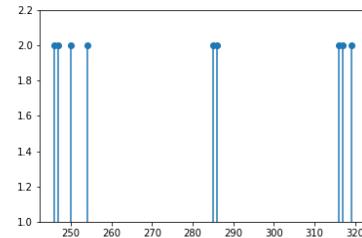
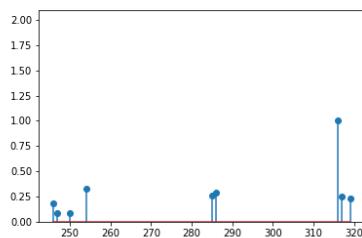
Posición 6:



Posición 7:



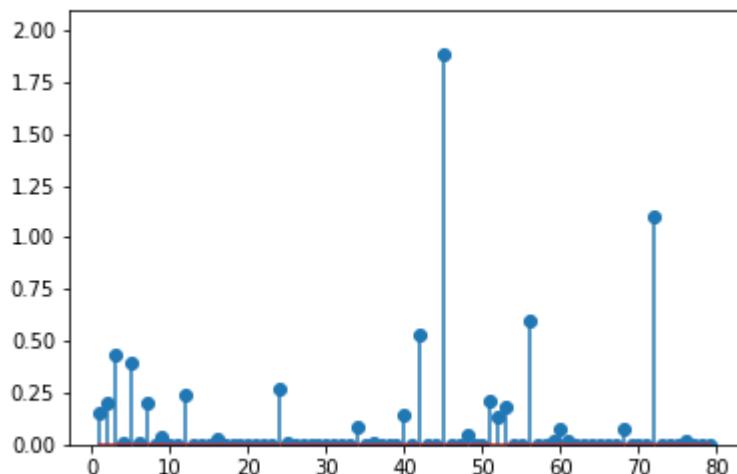
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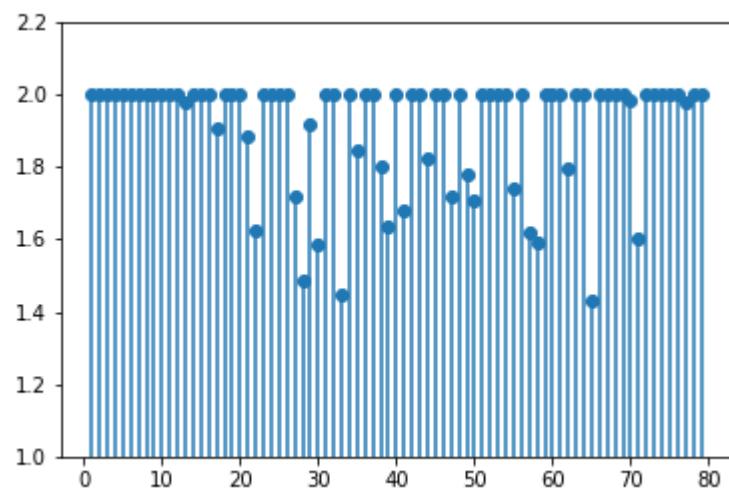
Sujeto 3

Sin fuerza

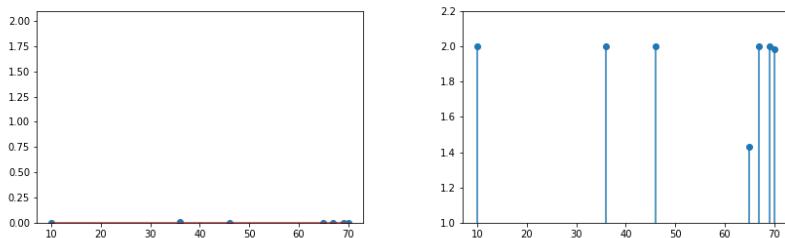
Errores:



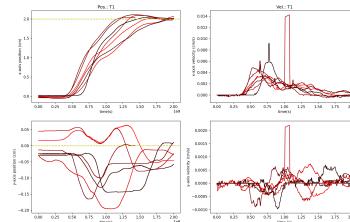
Tiempo:

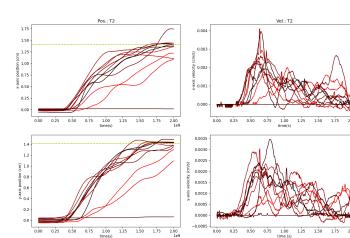
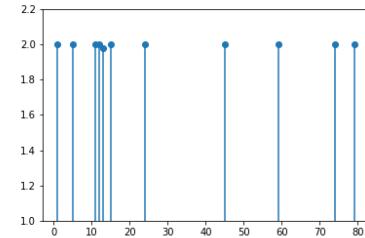
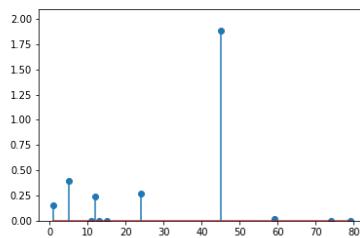


Posición 1:

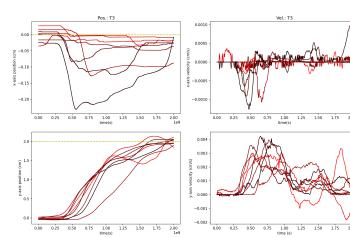
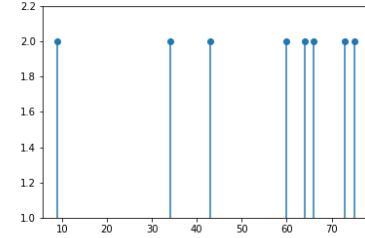
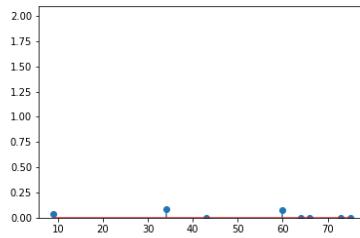


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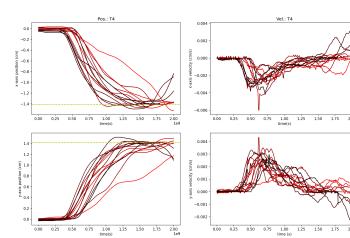
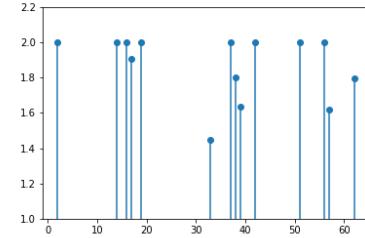
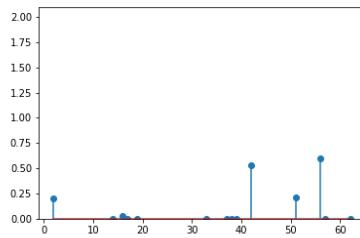




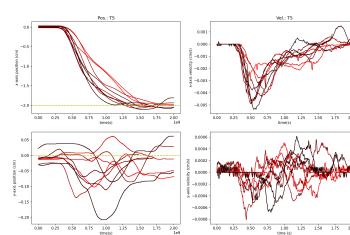
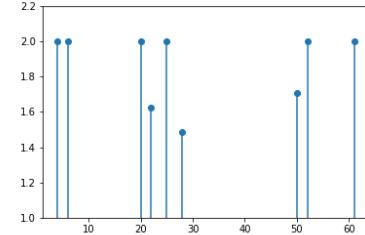
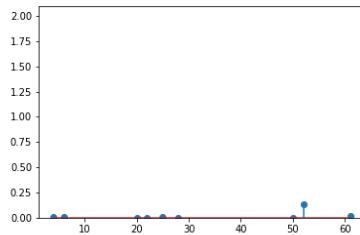
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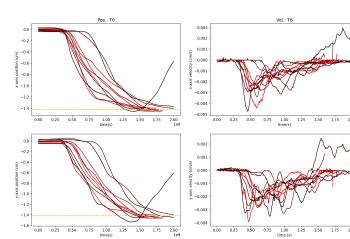
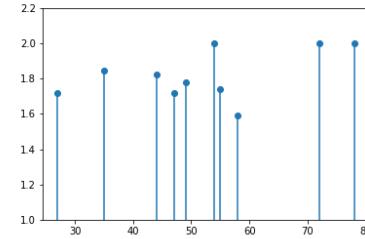
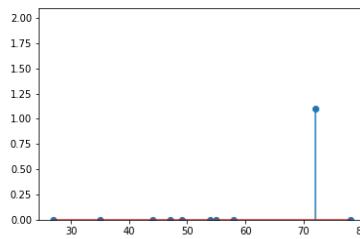
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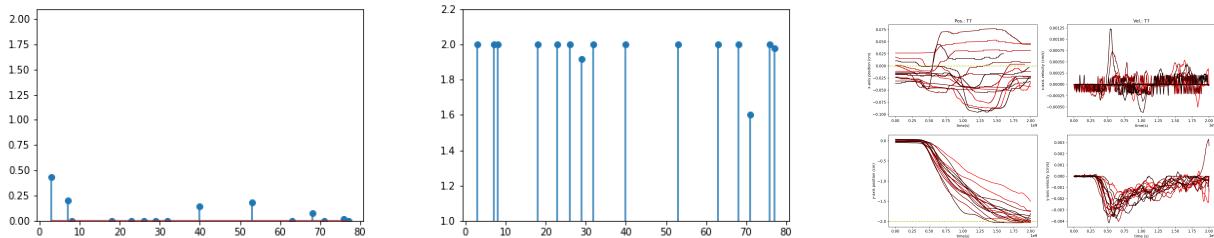
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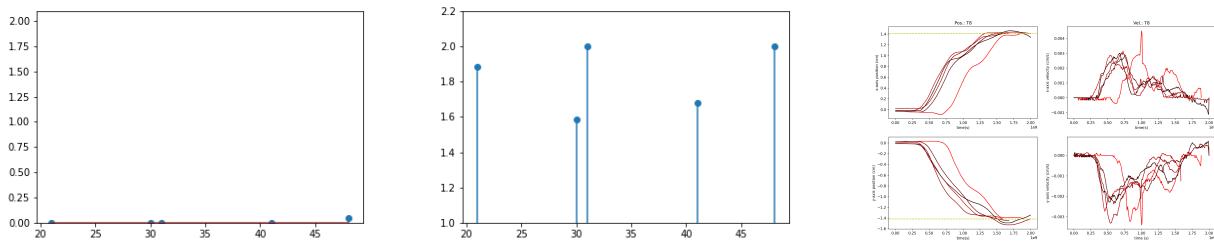
Posición 6:



Posición 7:

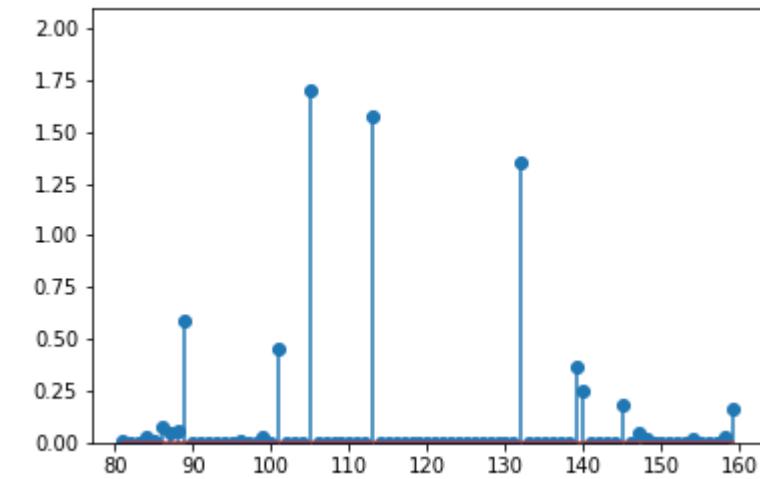


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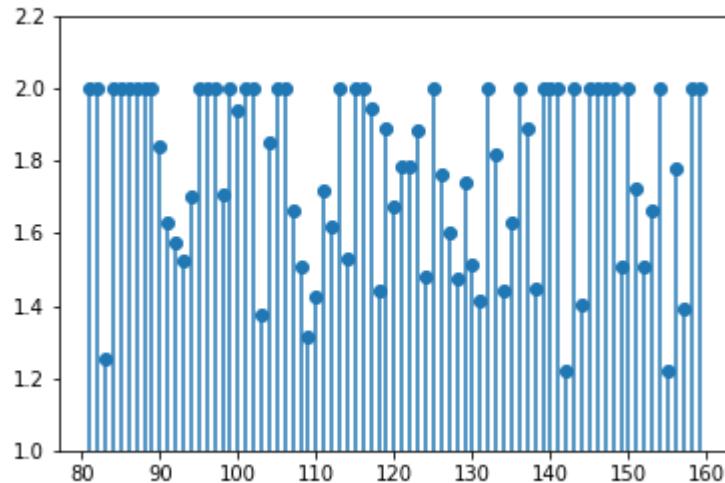


Con fuerza

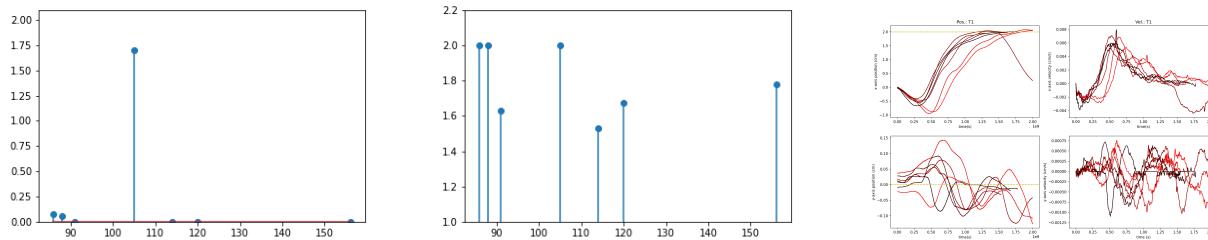
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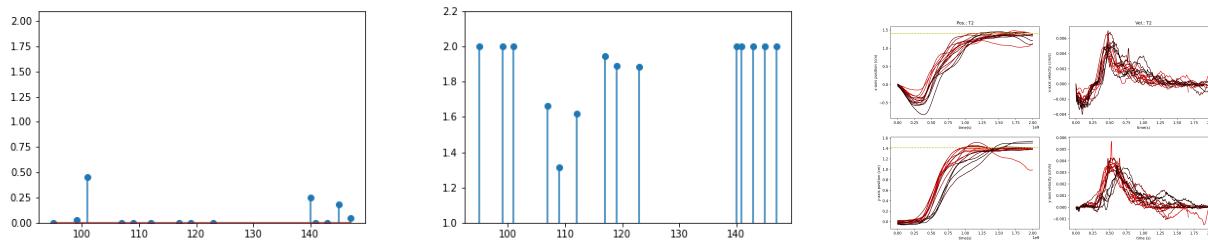
Tiempo:



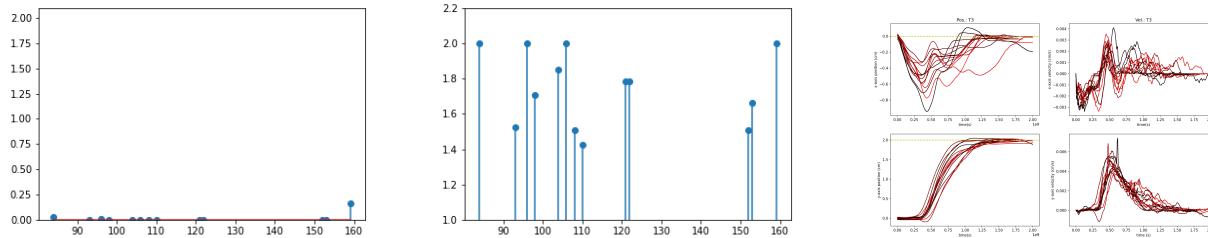
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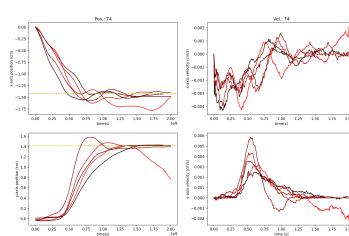
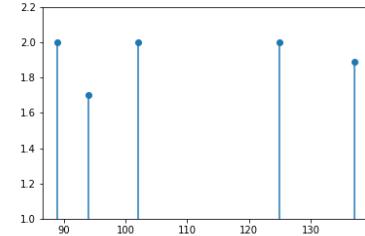
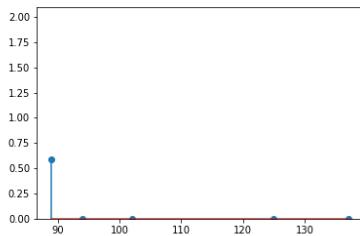
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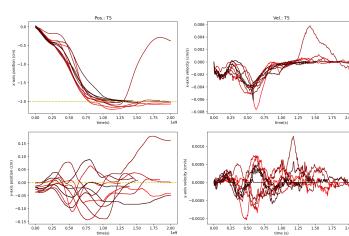
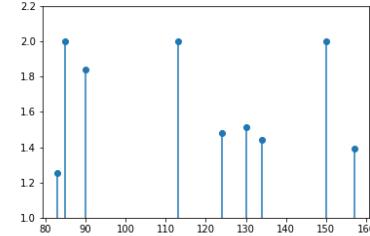
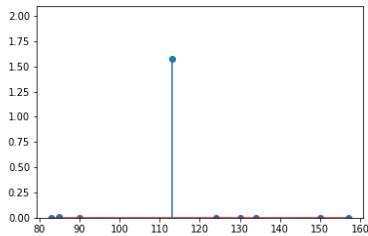
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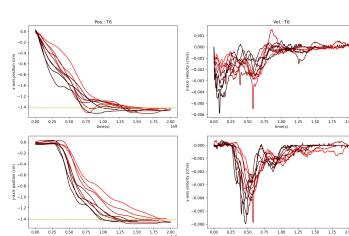
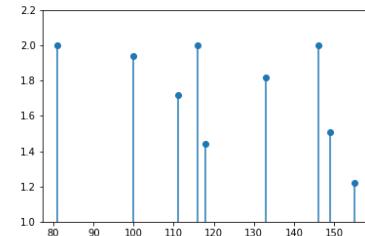
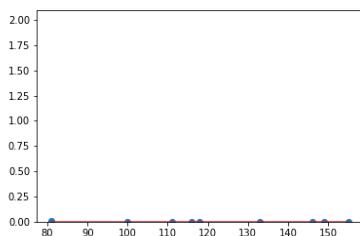
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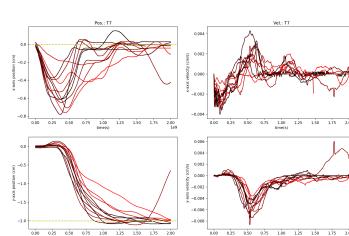
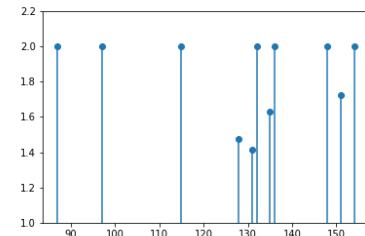
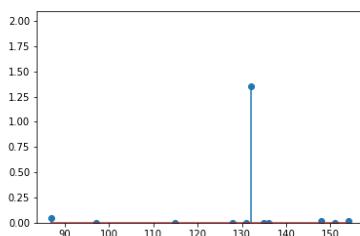
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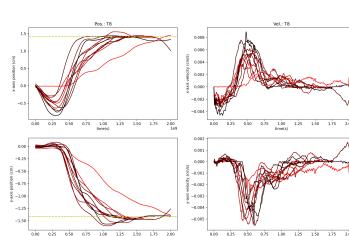
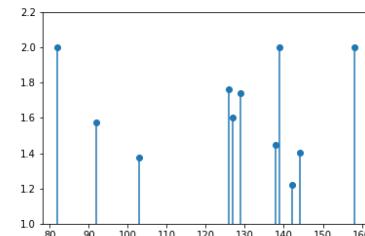
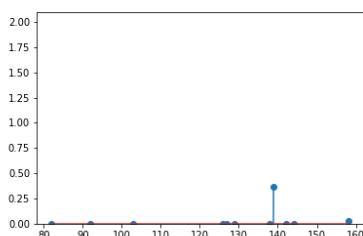
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Posición 7:

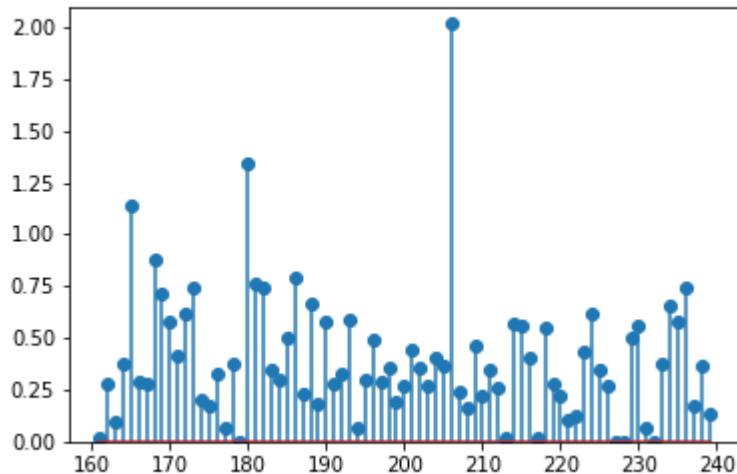


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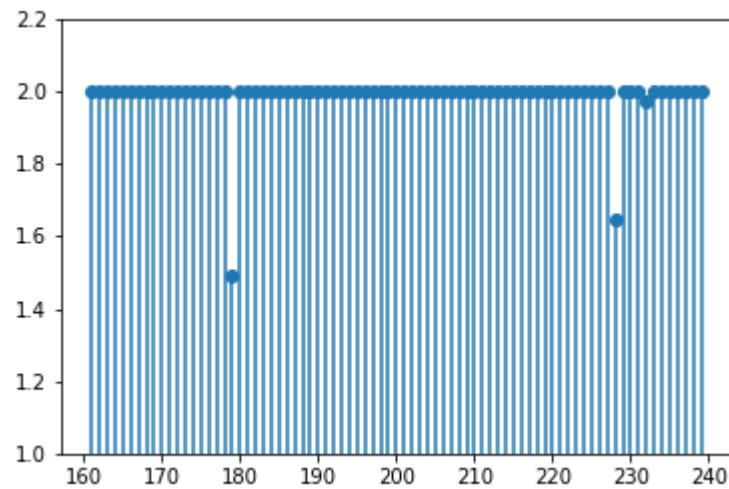


Sin fuerza, sin cursor

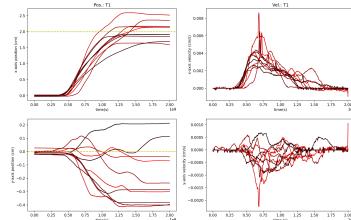
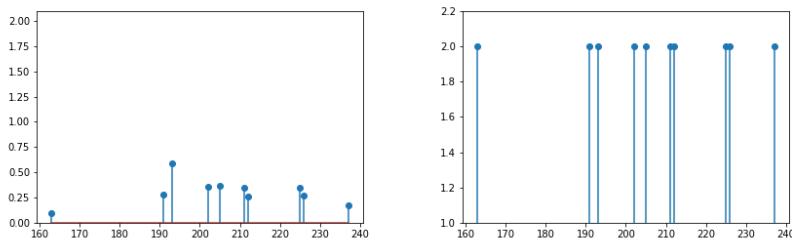
Errores:



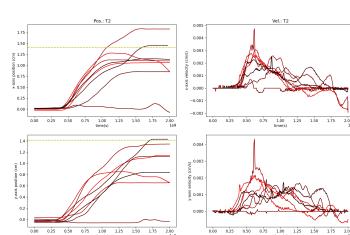
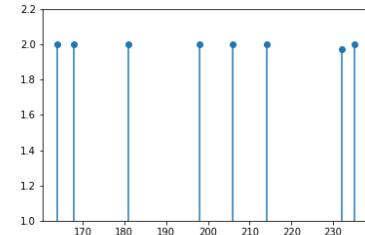
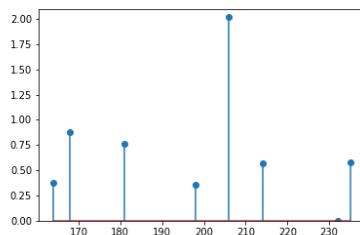
Tiempo:



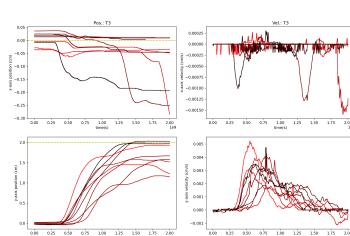
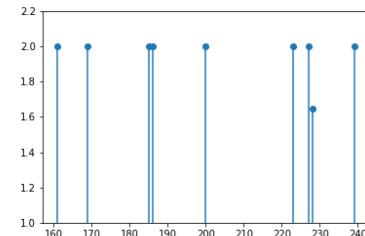
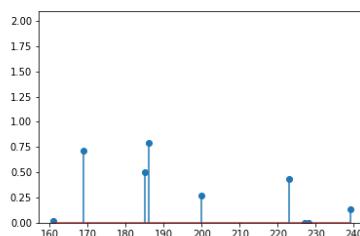
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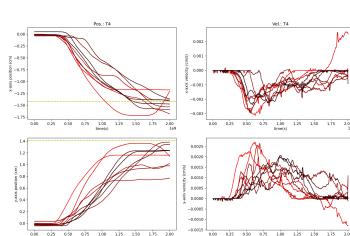
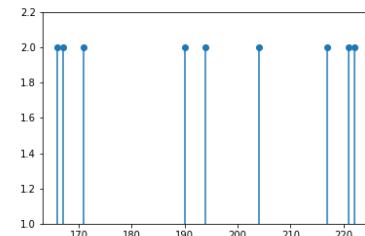
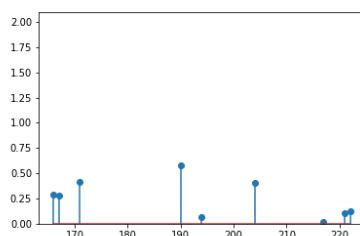
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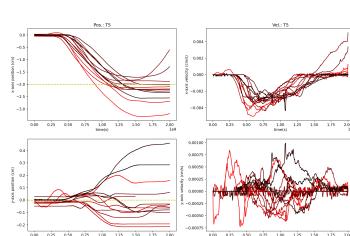
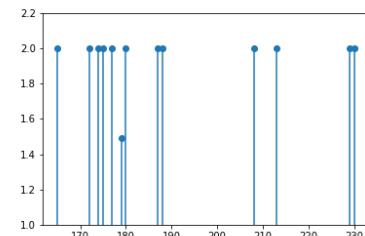
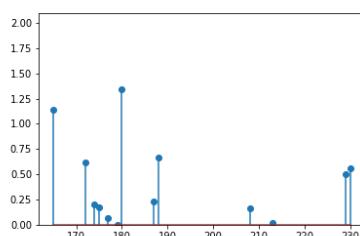
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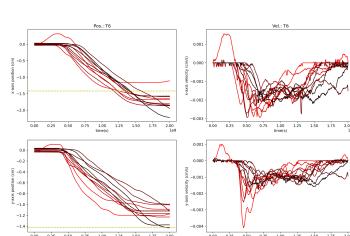
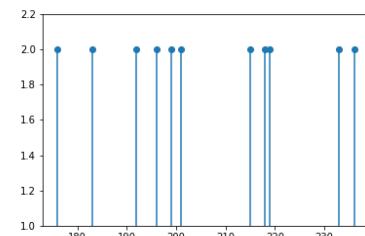
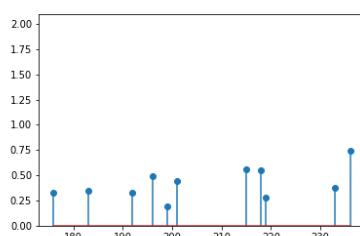
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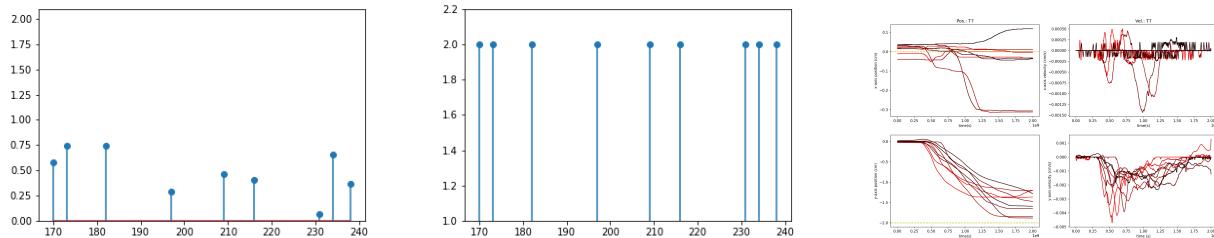
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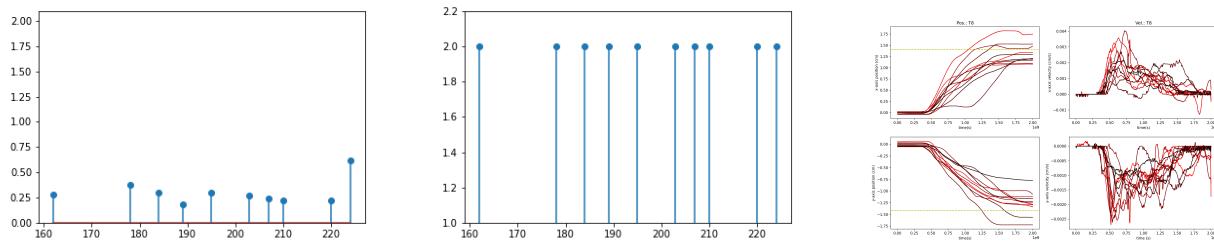
Posición 6:



Posición 7:

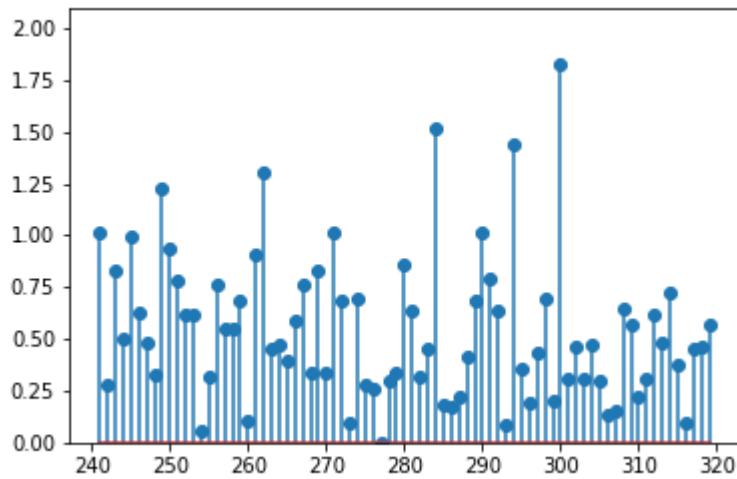


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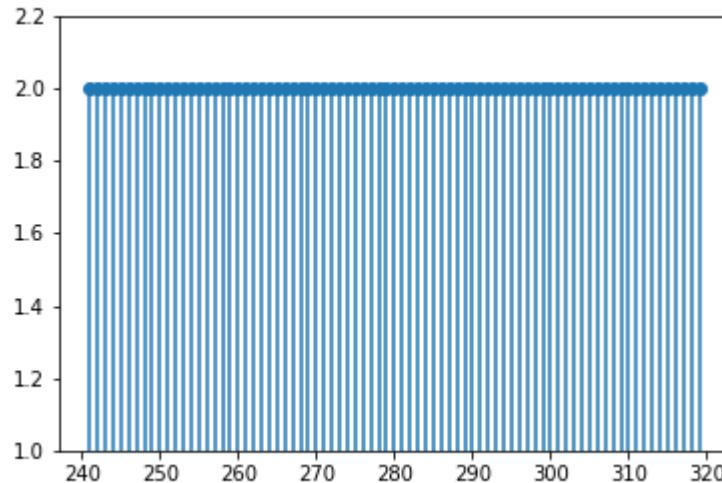


Con fuerza, sin cursor

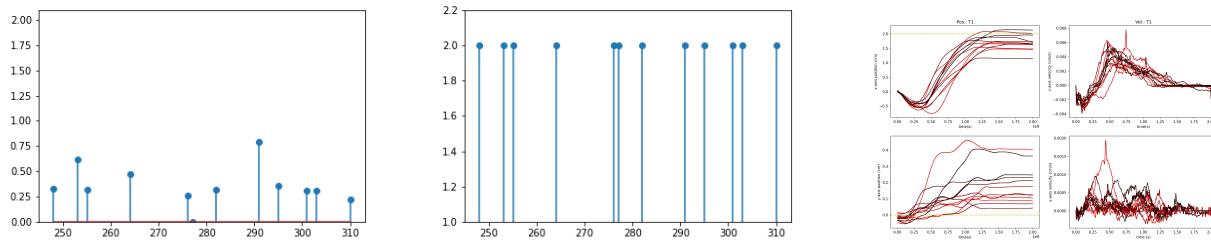
Errores:



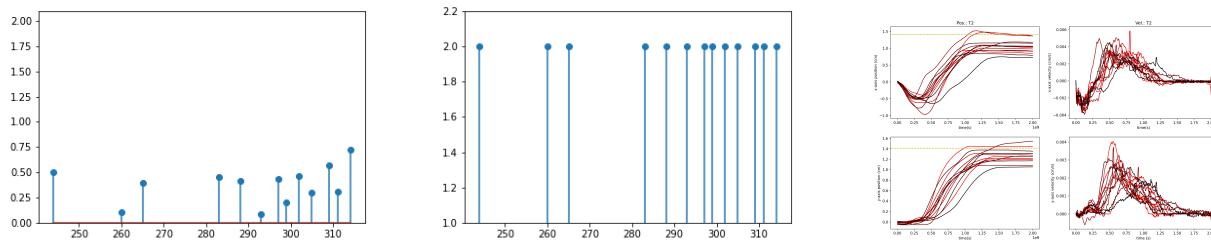
Tiempo:



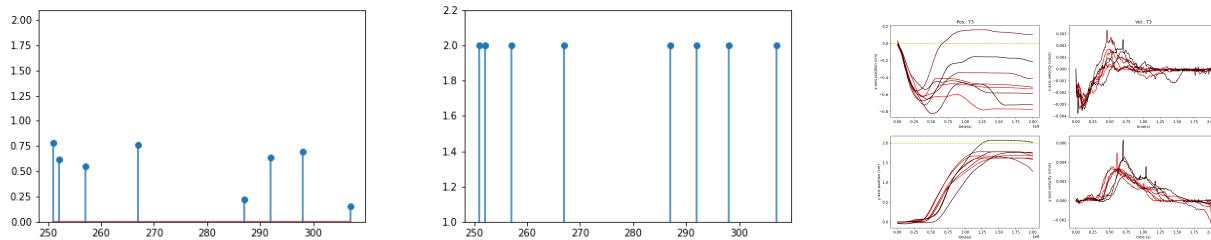
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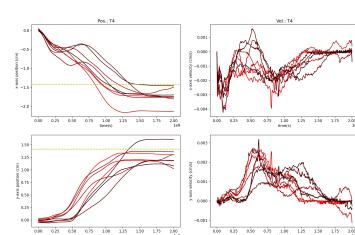
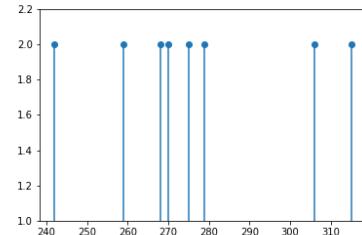
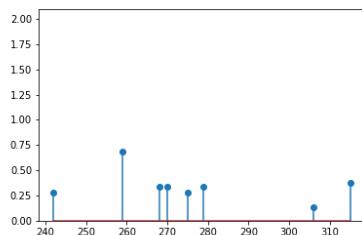
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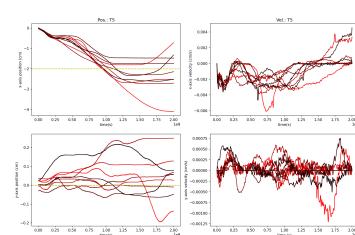
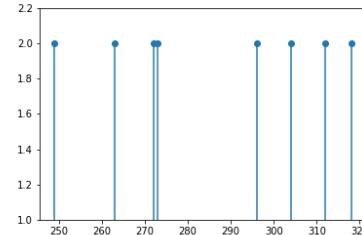
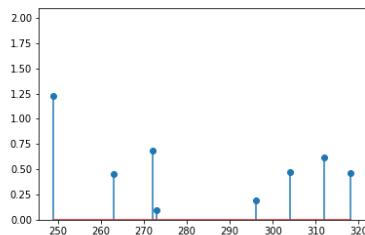
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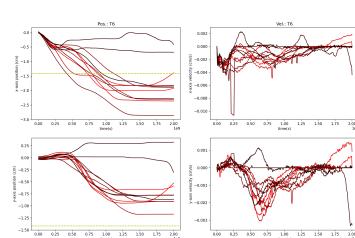
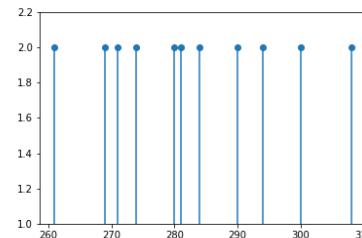
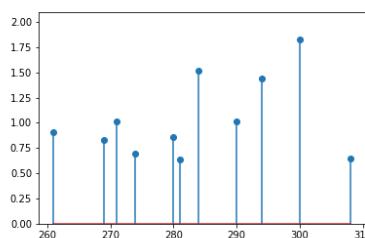
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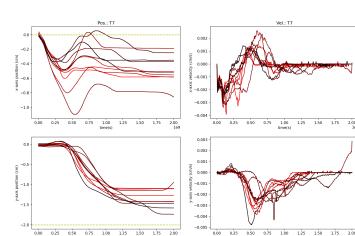
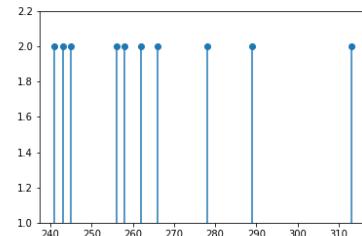
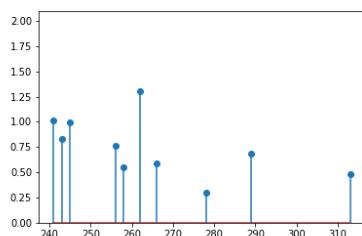
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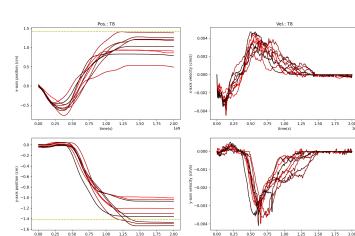
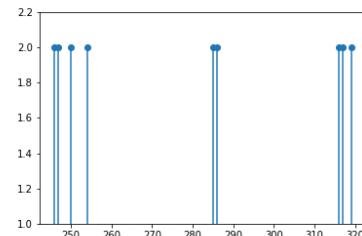
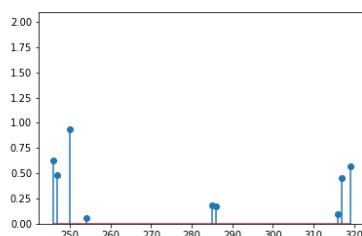
Posición 6:



Posición 7:



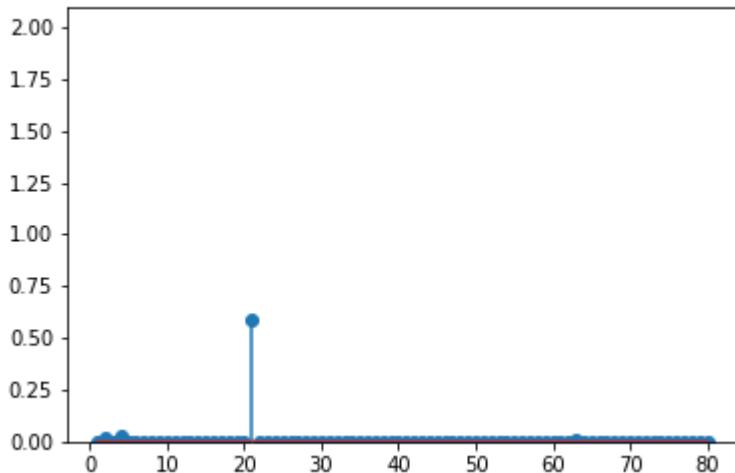
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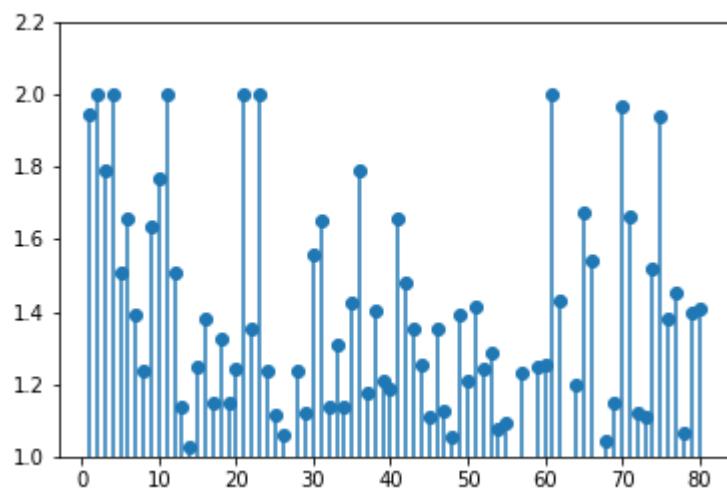
Sujeto 4

Sin fuerza

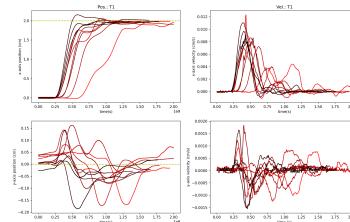
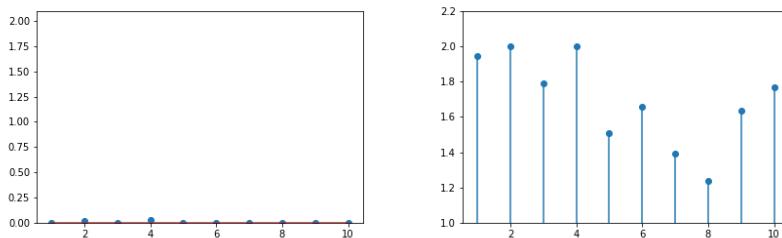
Errores:



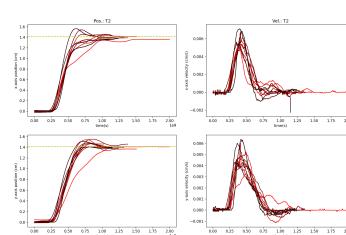
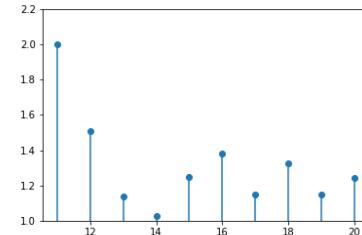
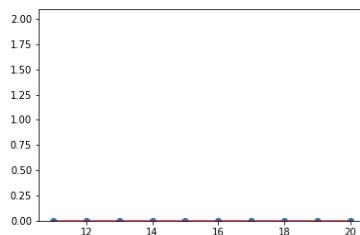
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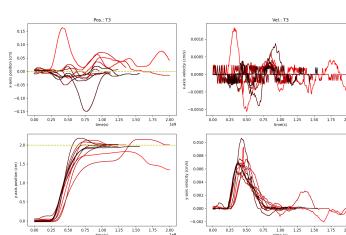
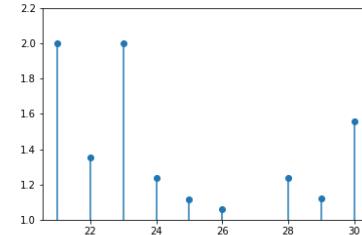
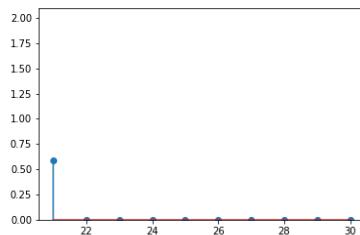
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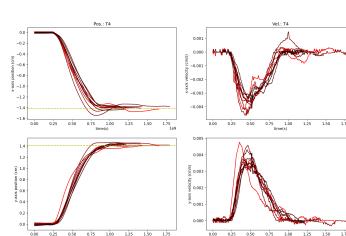
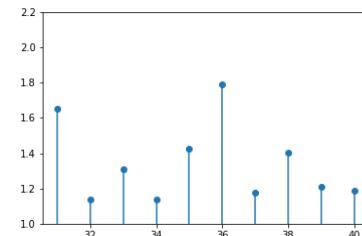
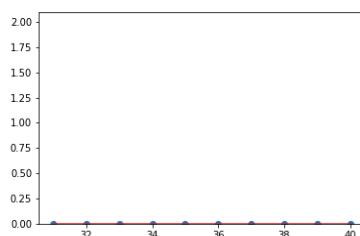
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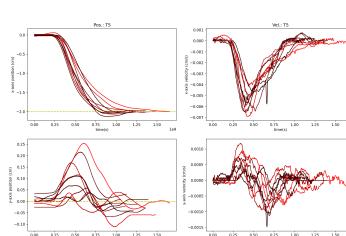
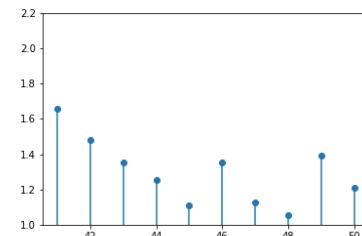
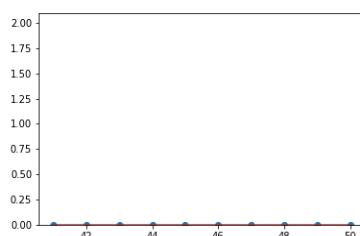
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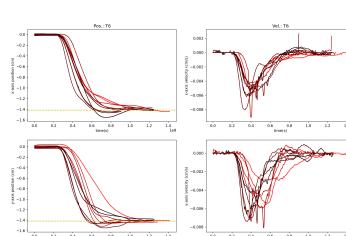
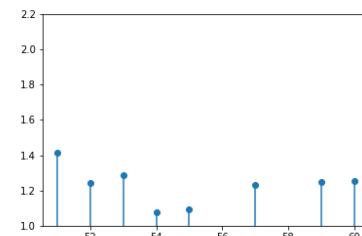
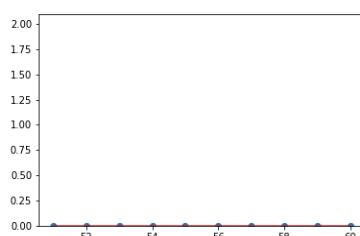
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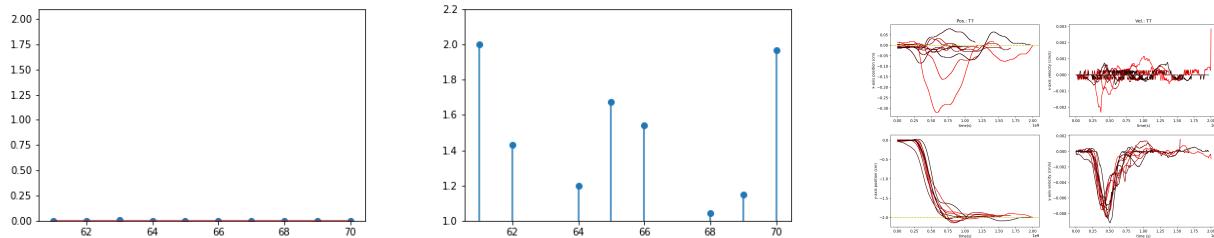
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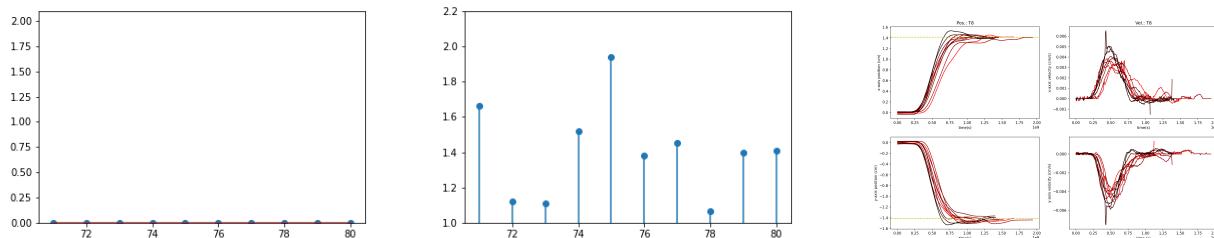
Posición 6:



Posición 7:

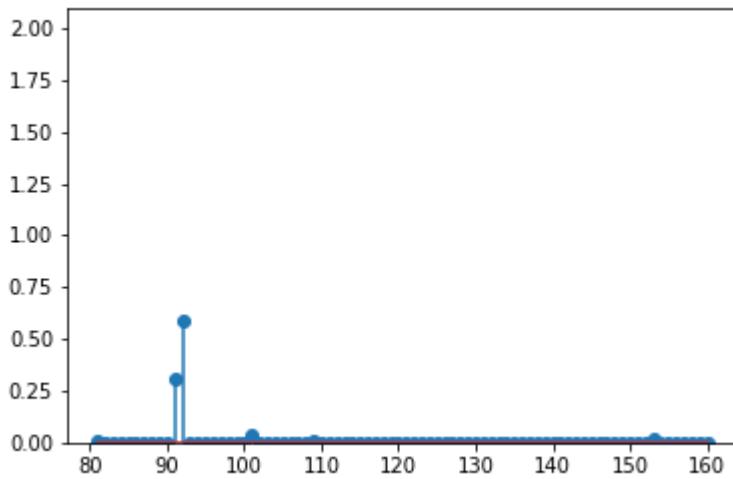


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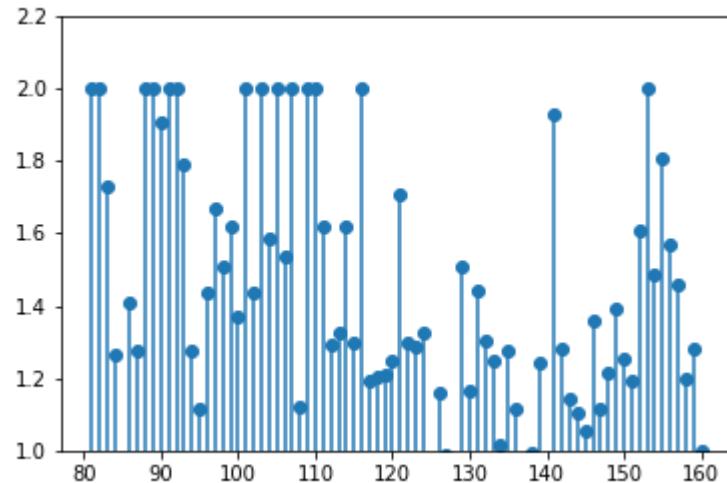


Con fuerza

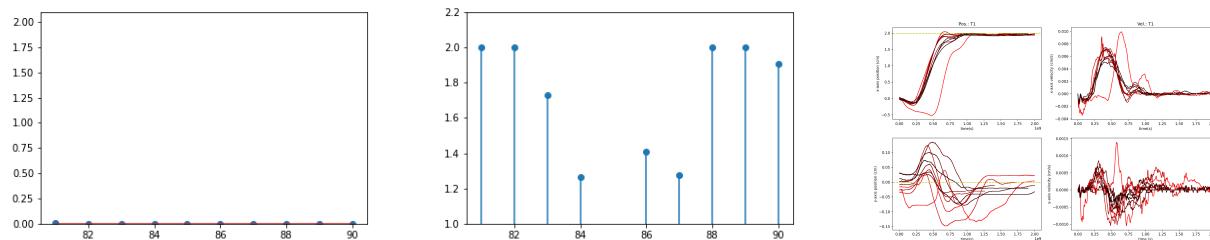
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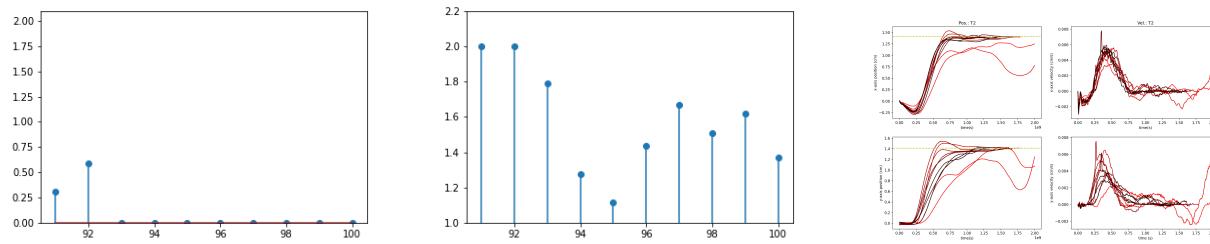
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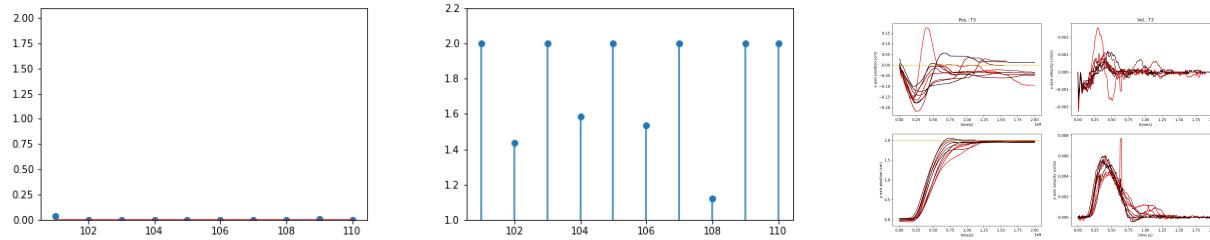
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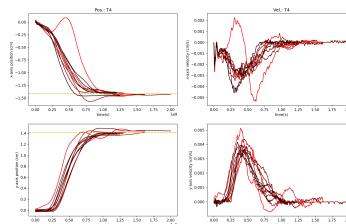
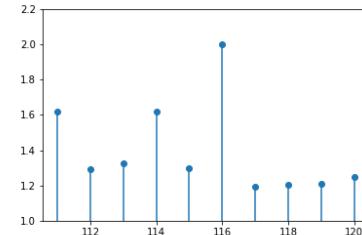
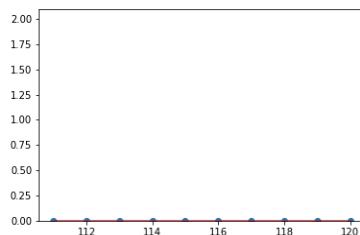
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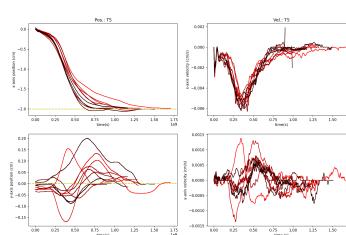
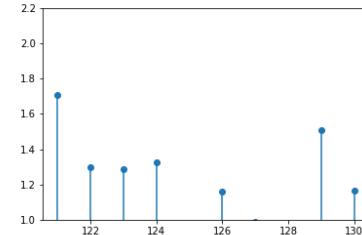
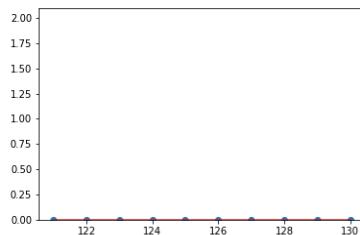
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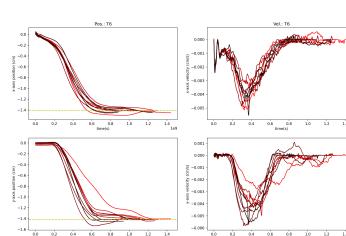
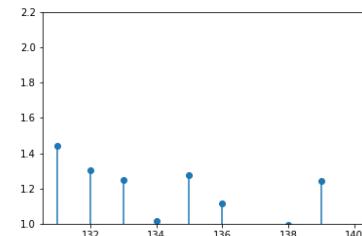
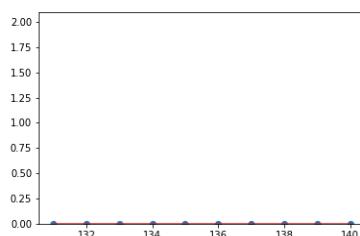
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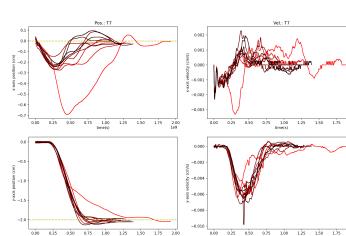
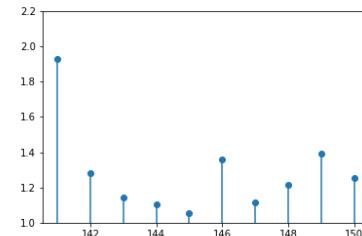
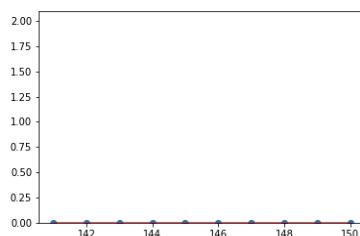
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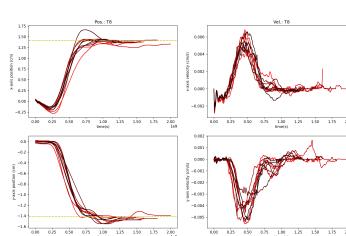
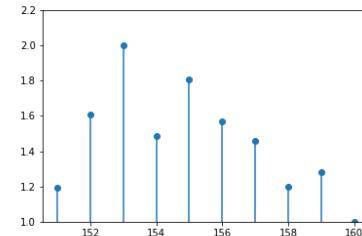
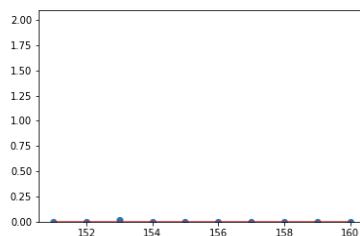
Posición 6:



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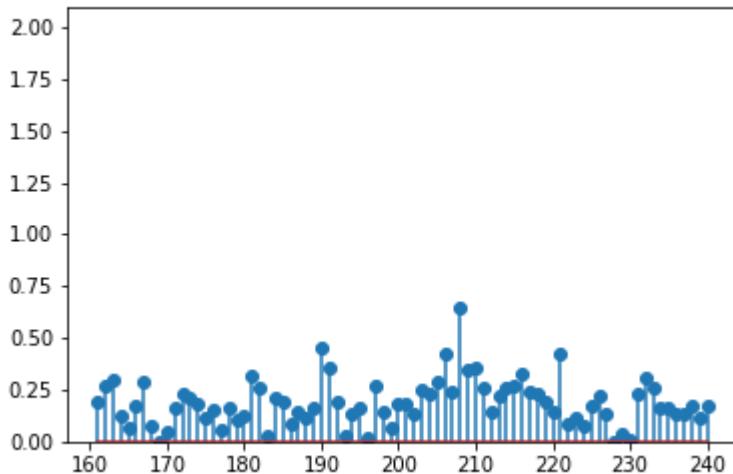


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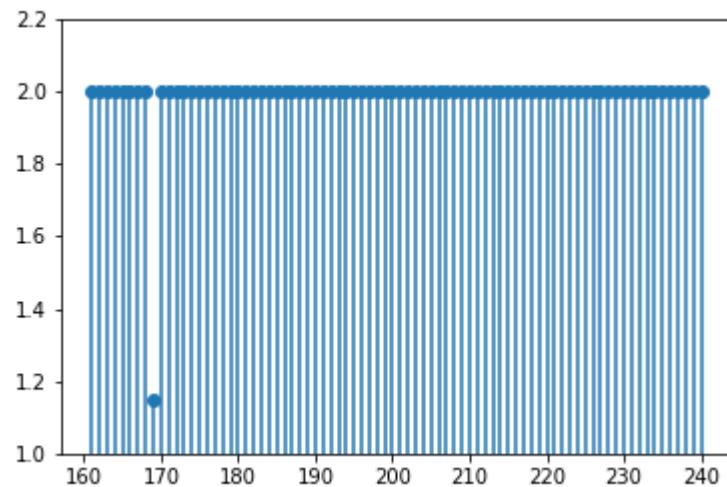


Sin fuerza, sin cursor

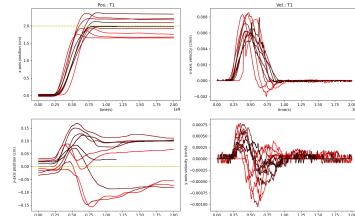
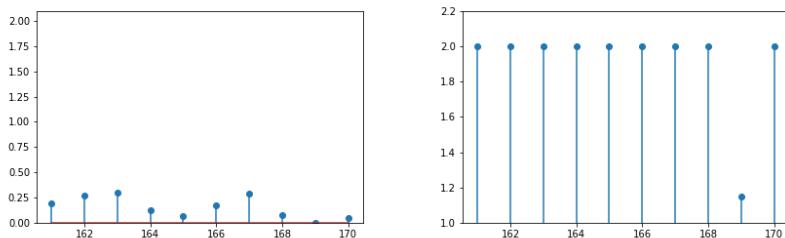
Errores:



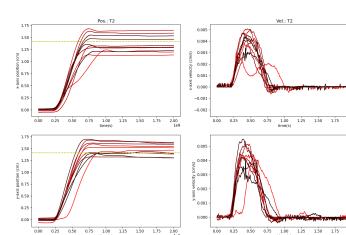
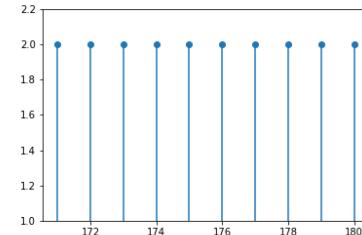
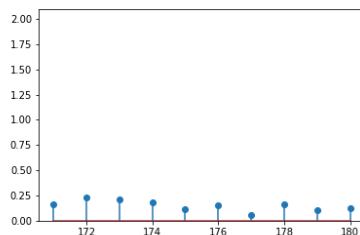
Tiempo:



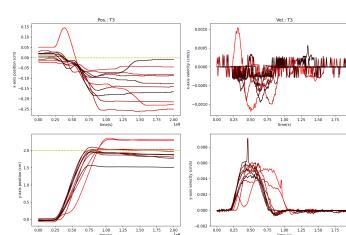
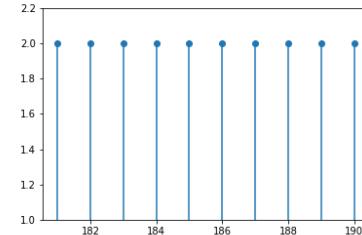
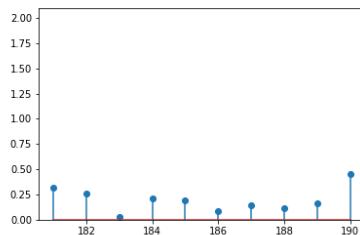
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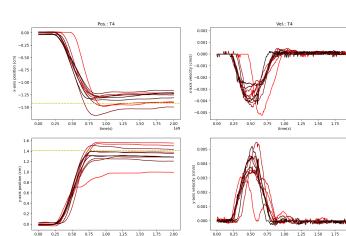
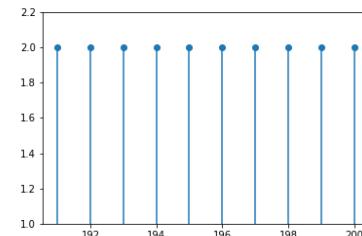
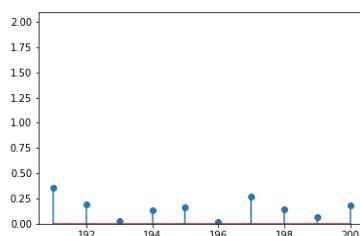
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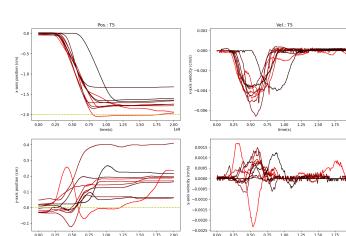
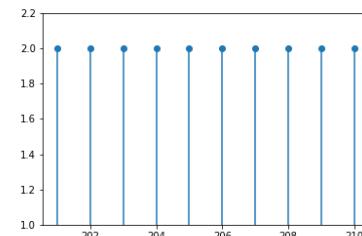
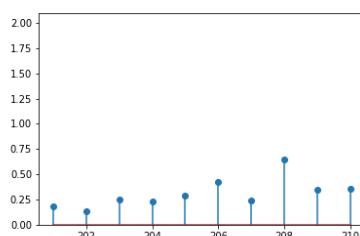
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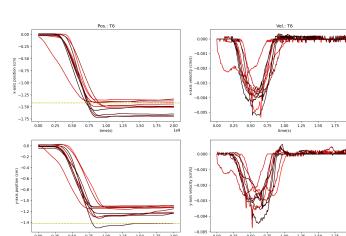
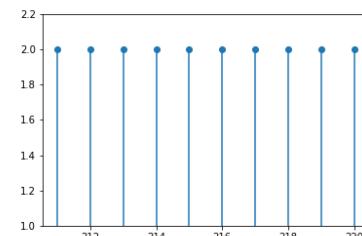
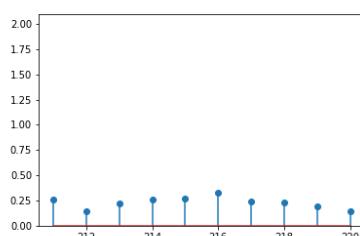
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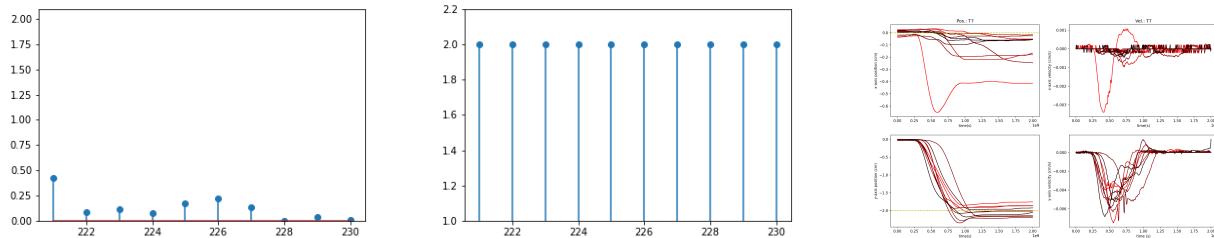
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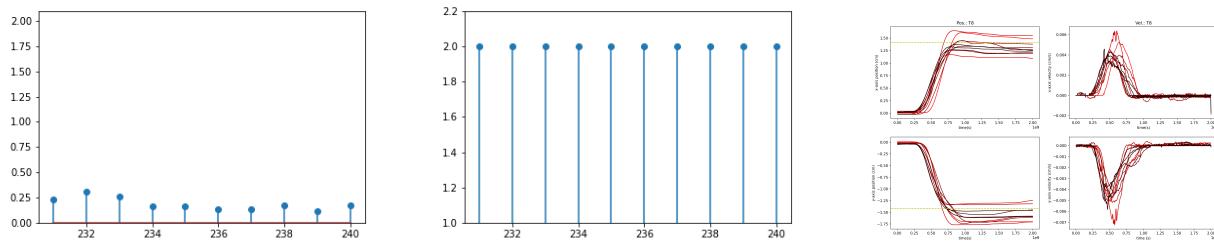
Posición 6:



Posición 7:

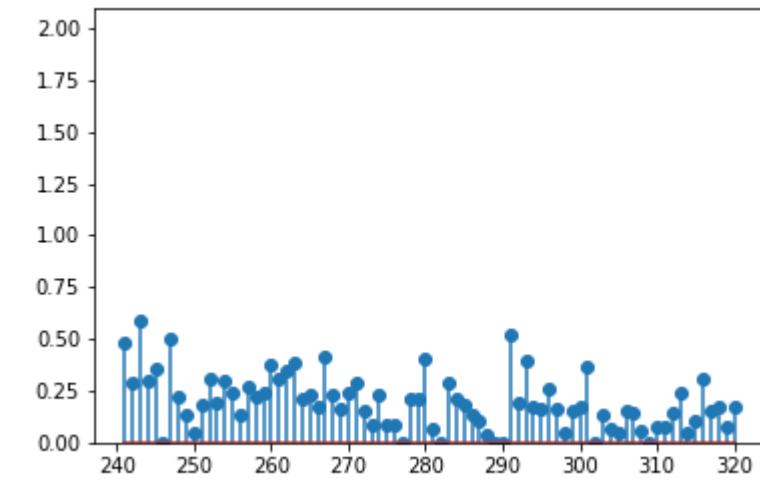


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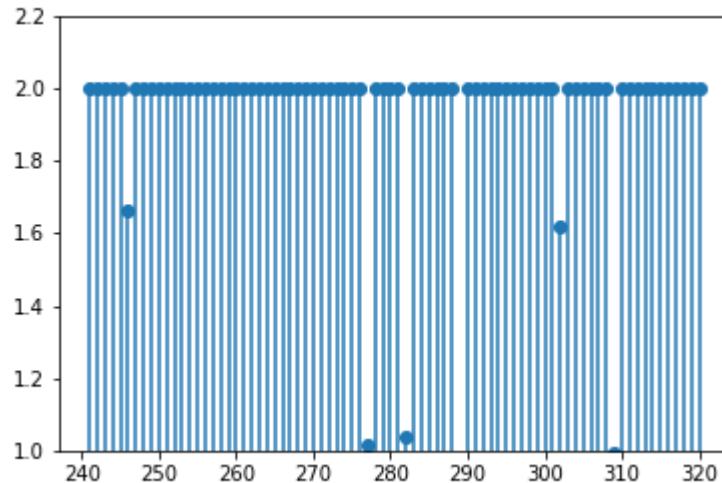


Con fuerza, sin cursor

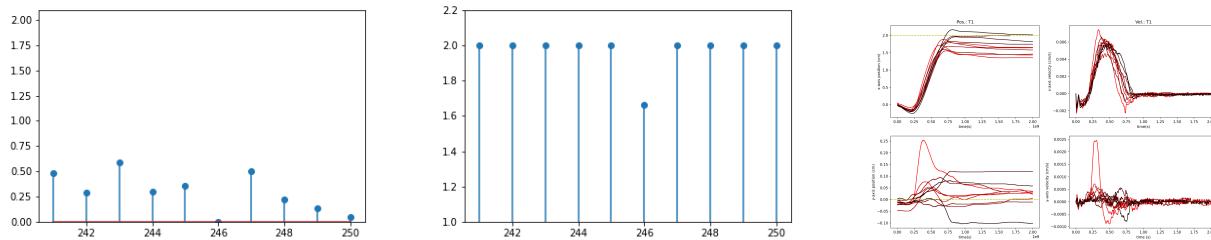
Errores:



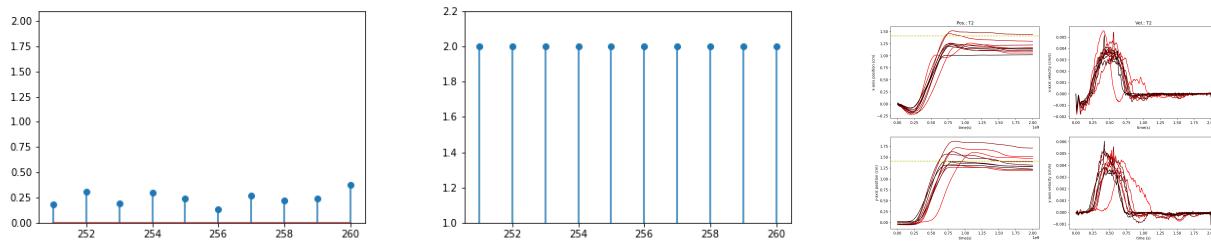
Tiempo:



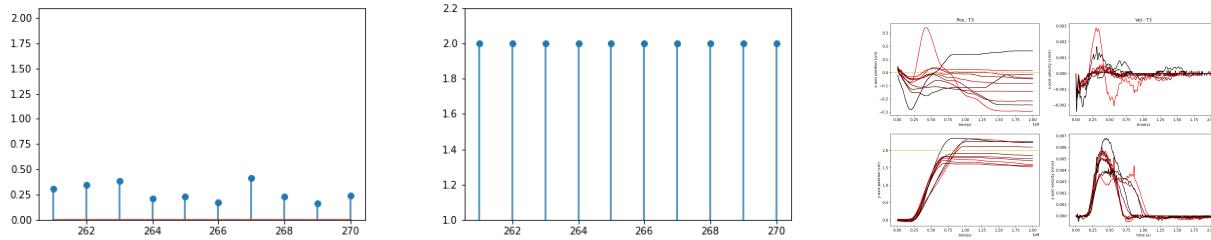
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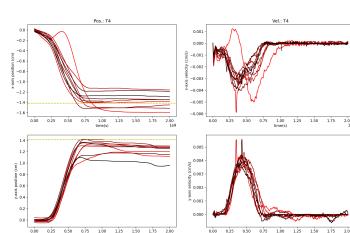
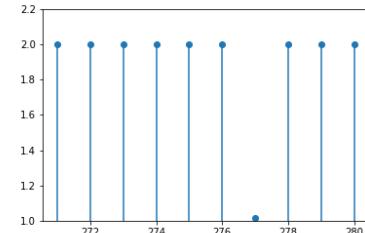
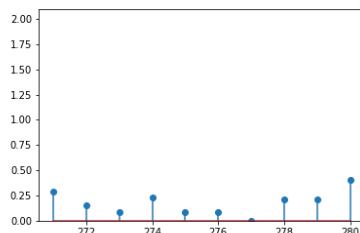
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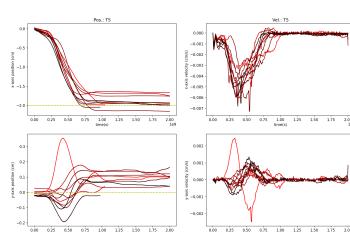
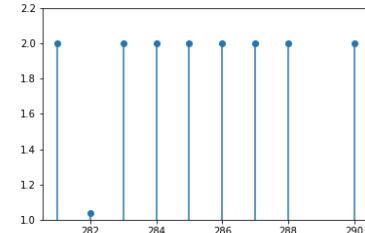
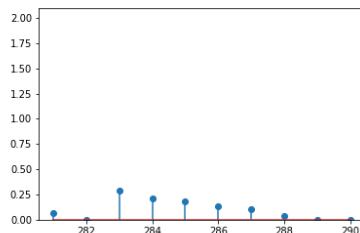
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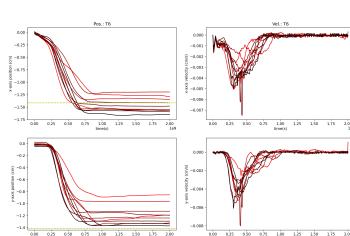
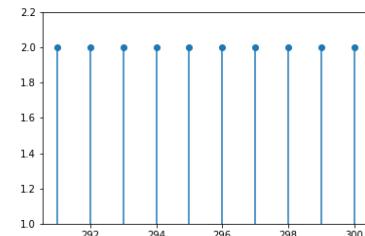
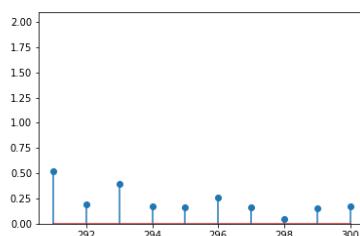
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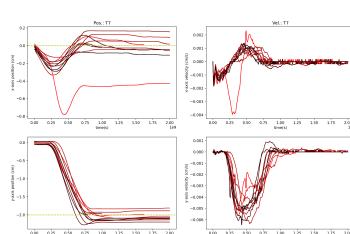
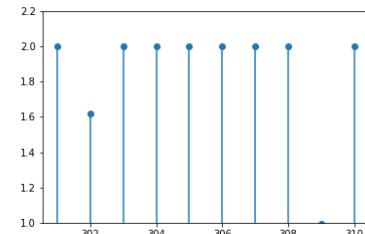
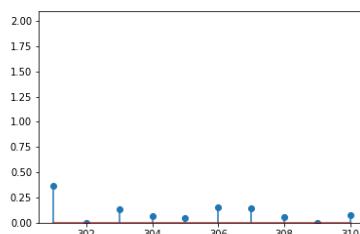
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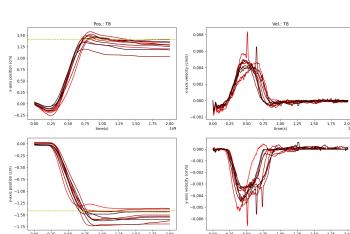
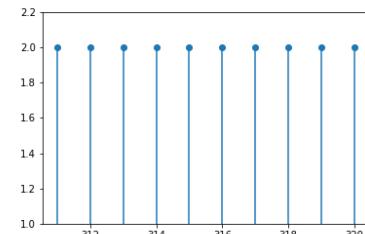
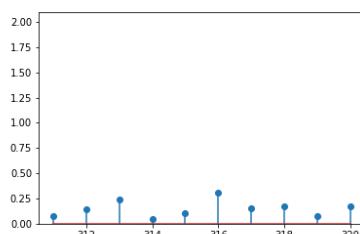
Posición 6:



Posición 7:



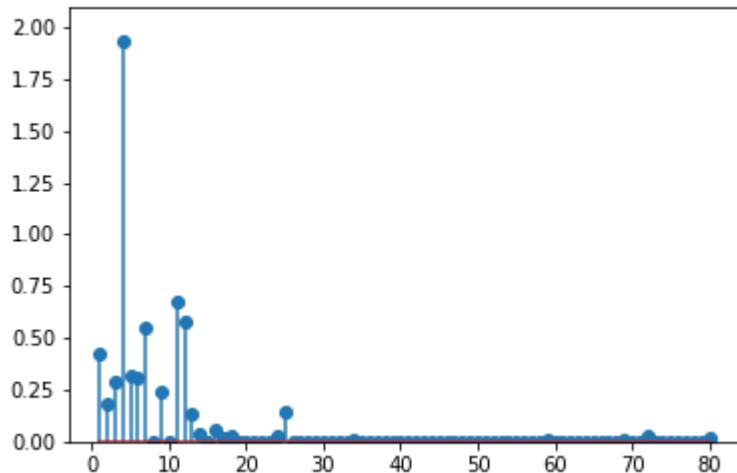
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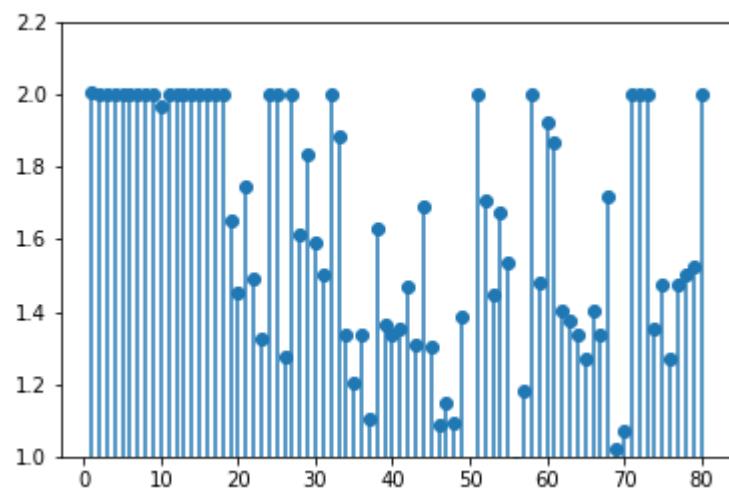
Sujeto 5

Sin fuerza

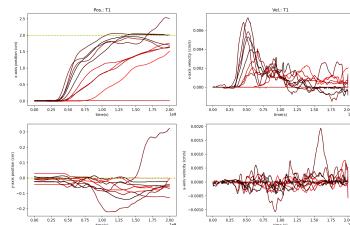
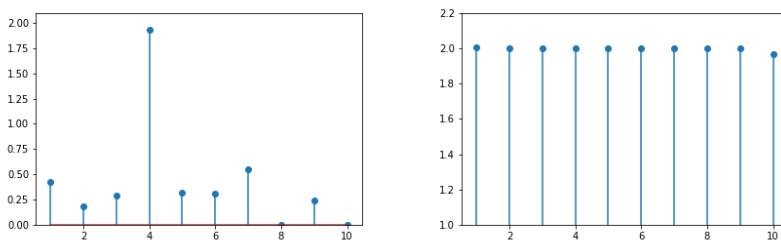
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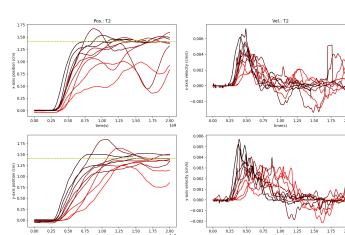
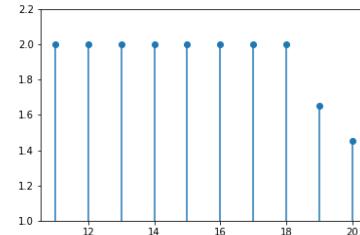
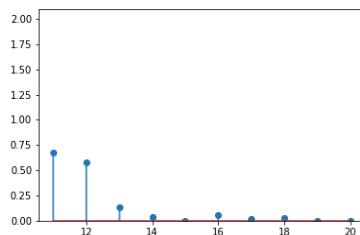
Tiempo:



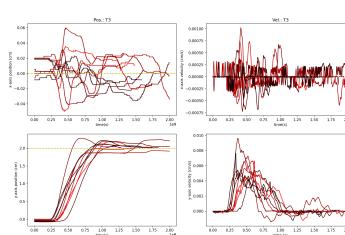
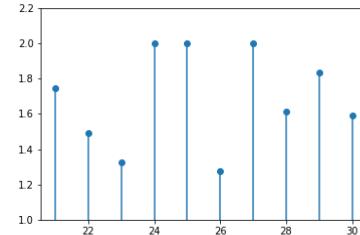
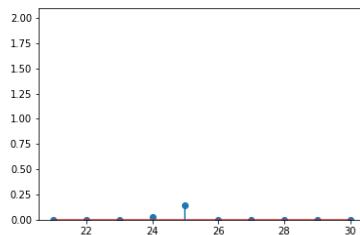
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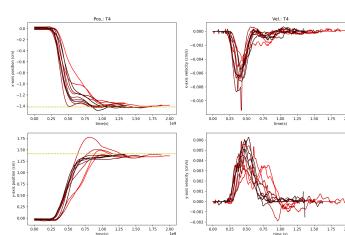
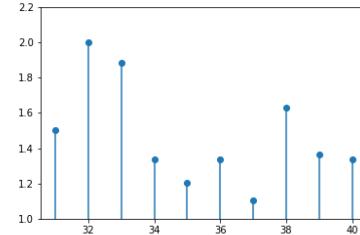
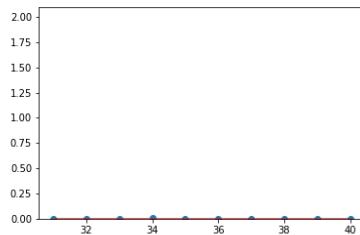
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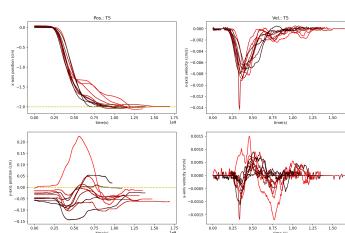
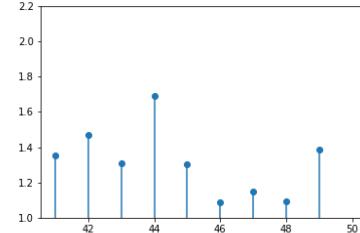
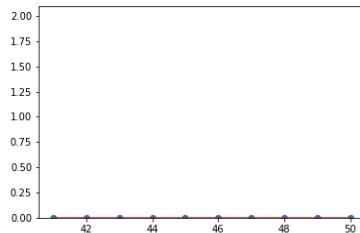
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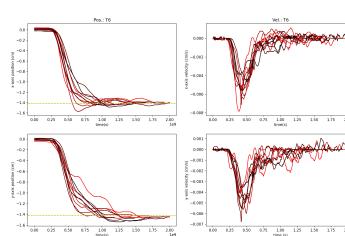
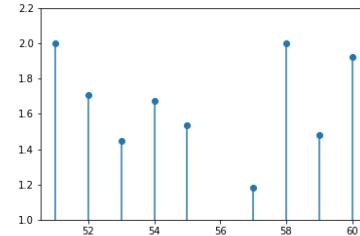
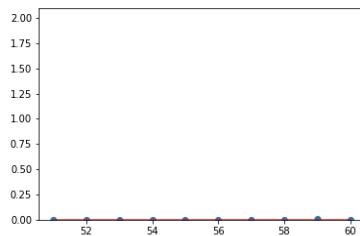
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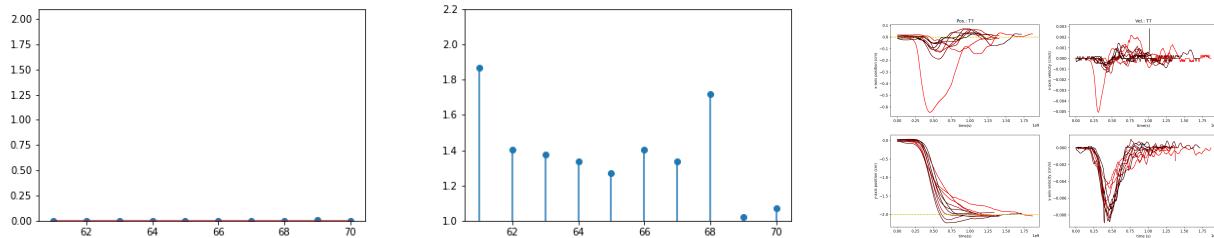
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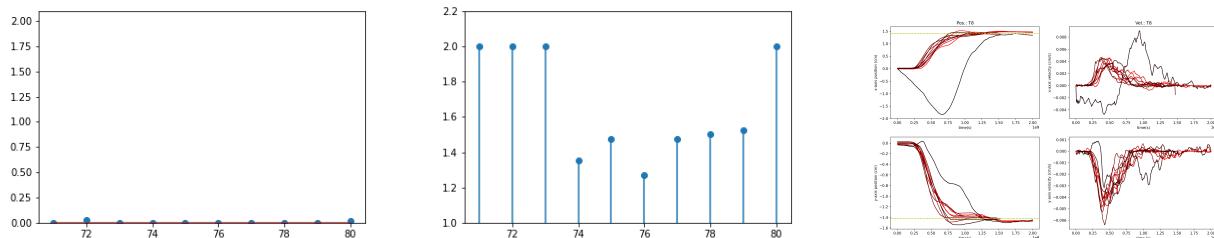
Posición 6:



Posición 7:

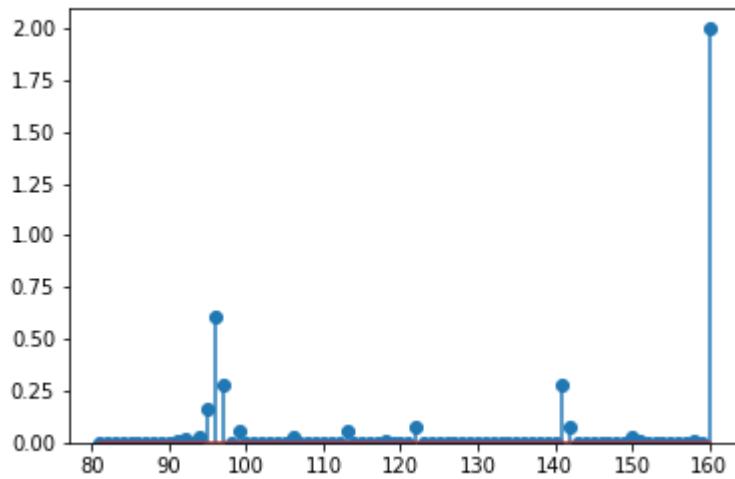


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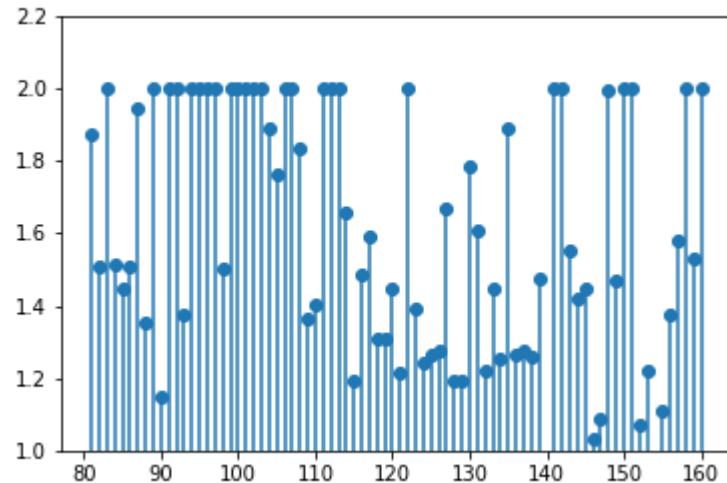


Con fuerza

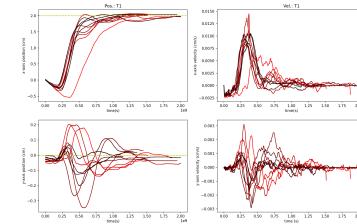
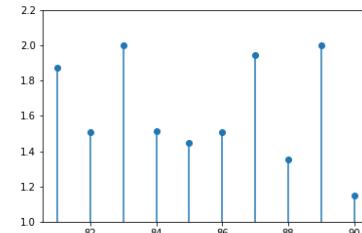
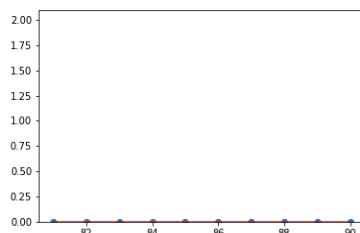
Errores:



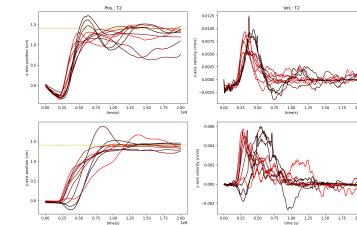
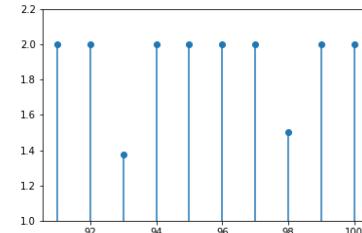
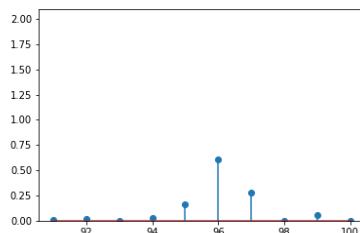
Tiempo:



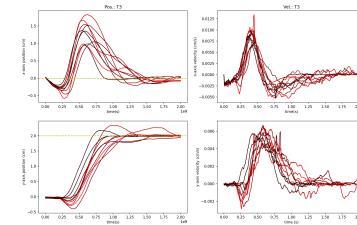
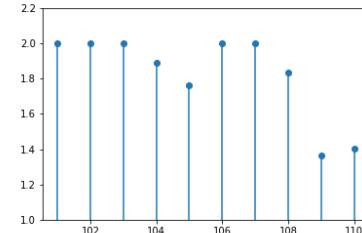
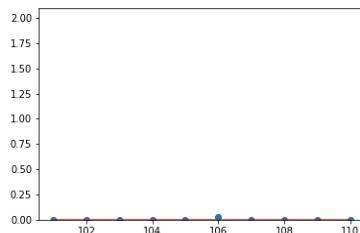
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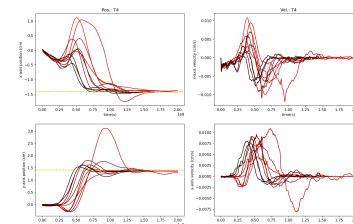
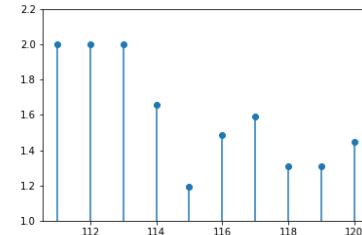
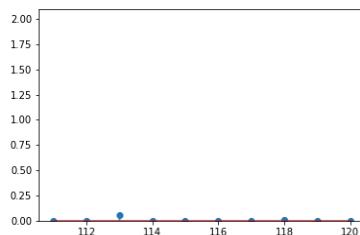
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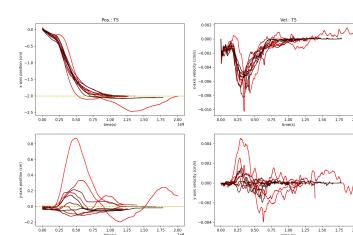
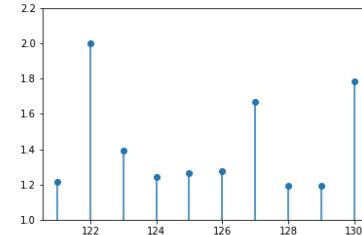
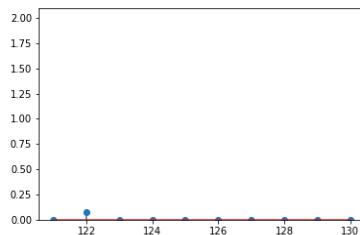
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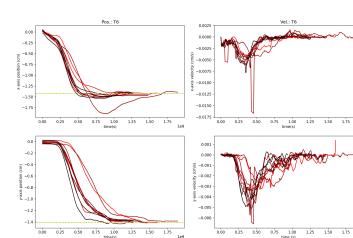
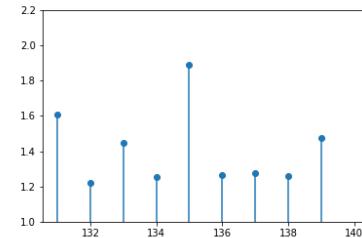
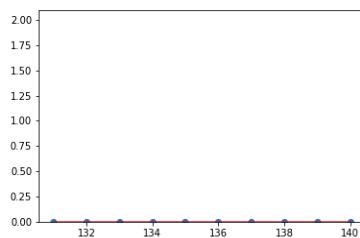
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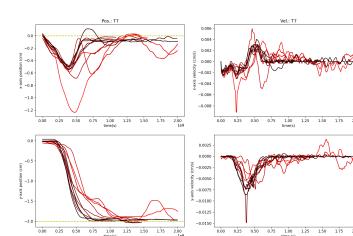
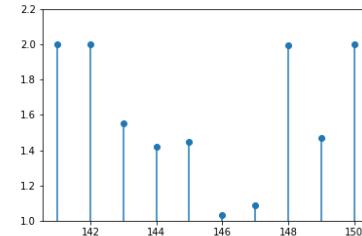
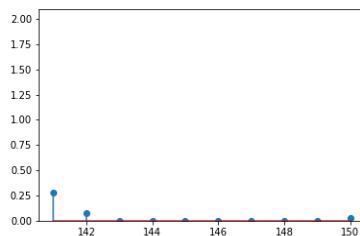
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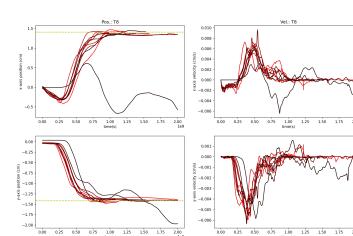
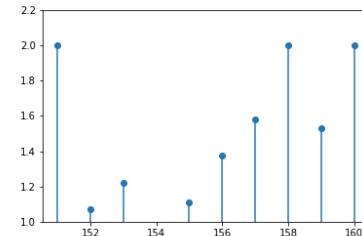
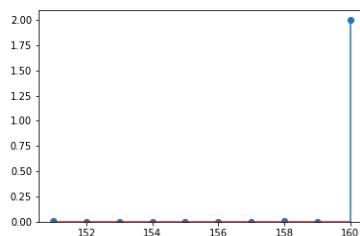
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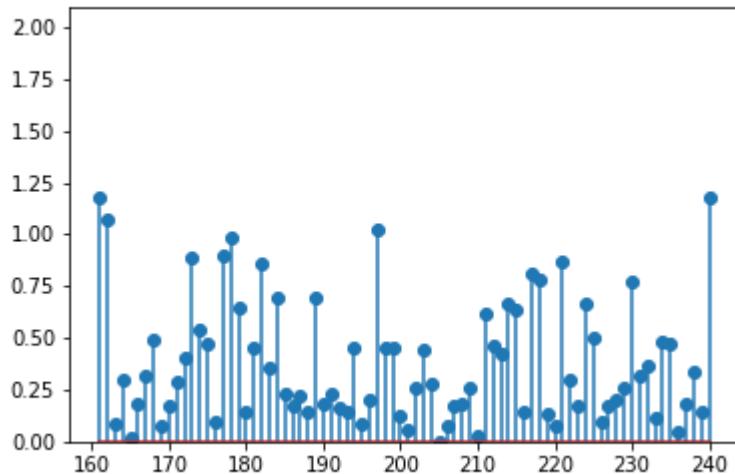


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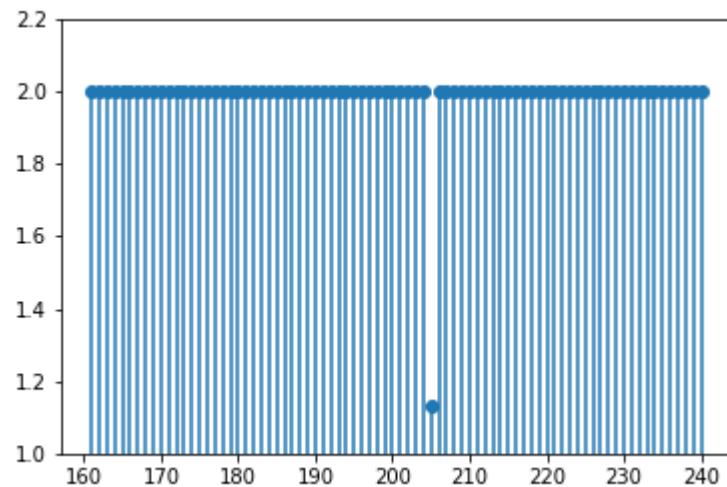


Sin fuerza, sin cursor

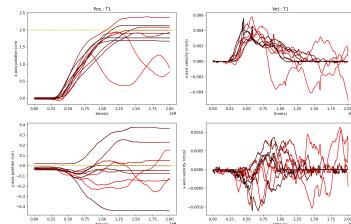
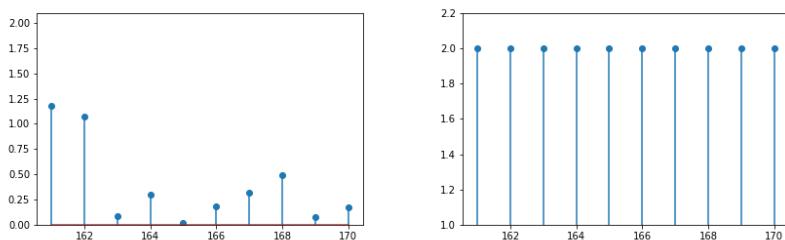
Errores:



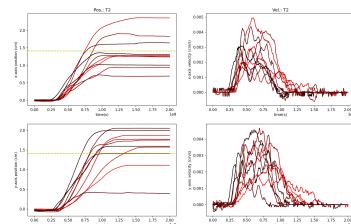
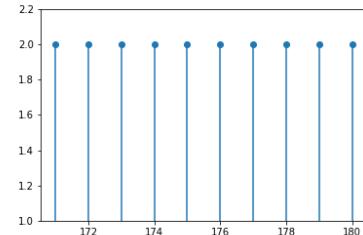
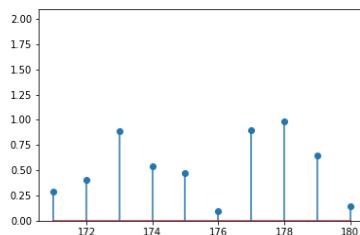
Tiempo:



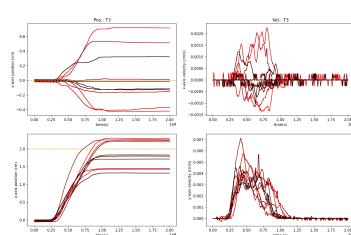
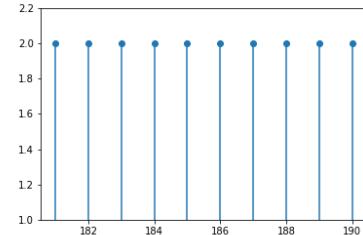
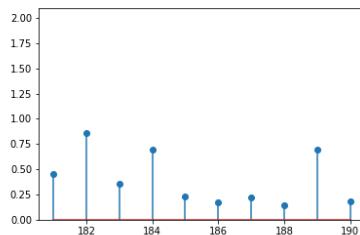
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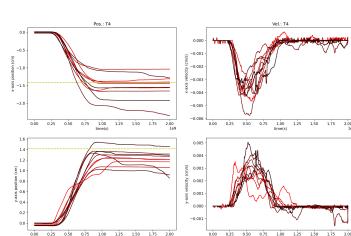
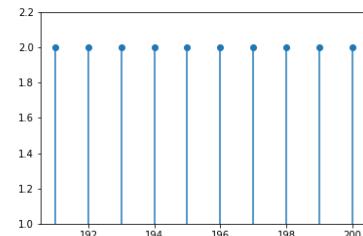
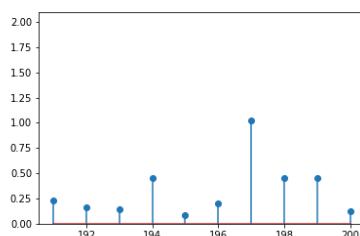
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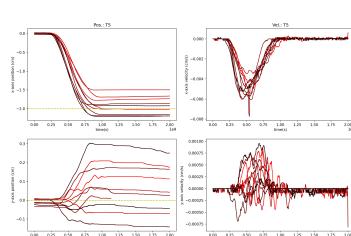
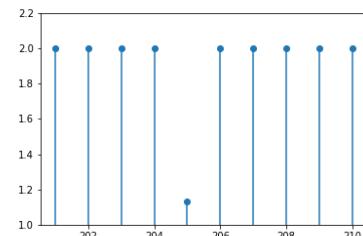
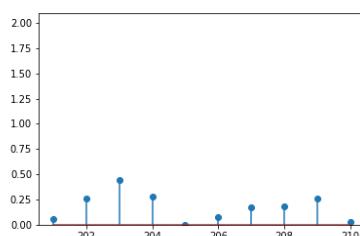
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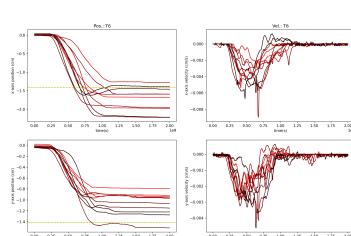
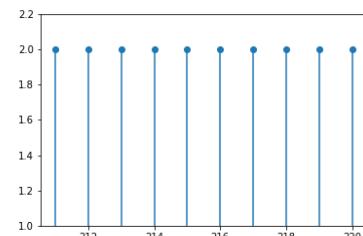
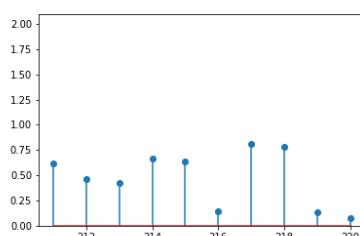
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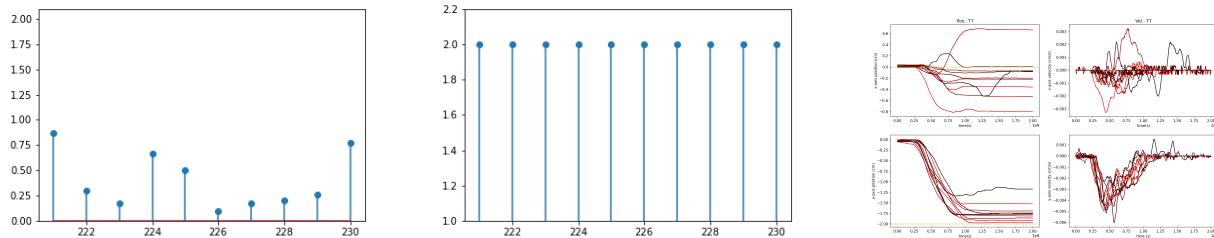
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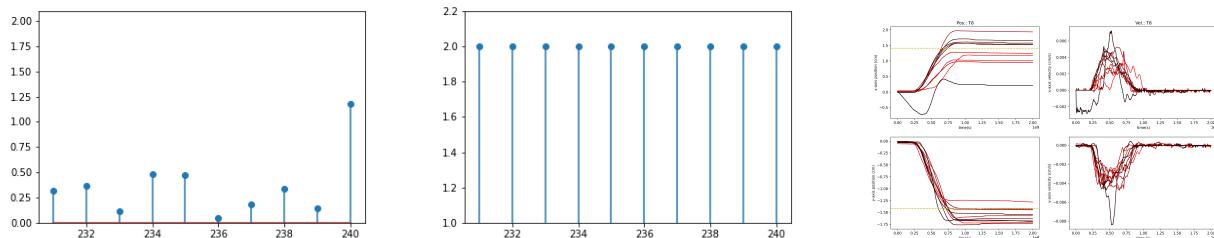
Posición 6:



Posición 7:

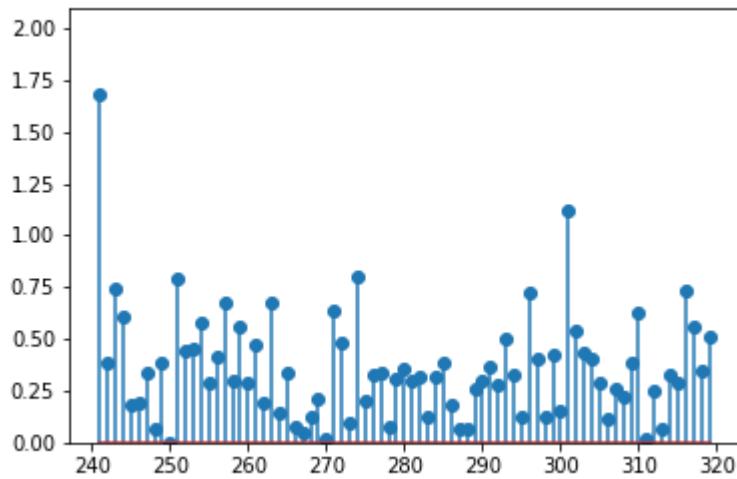


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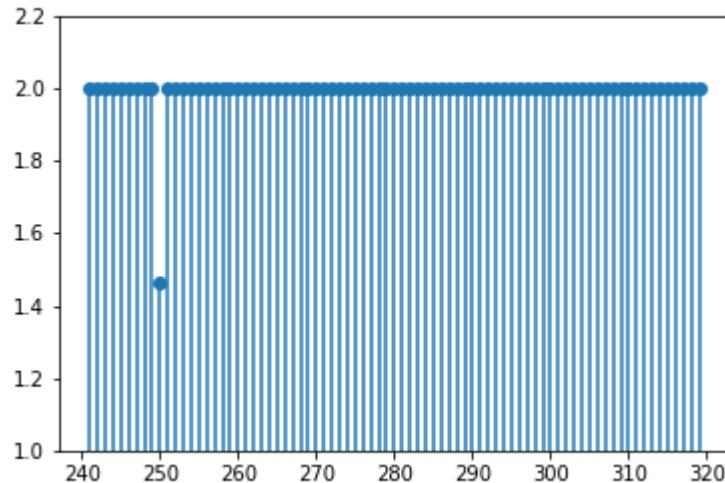


Con fuerza, sin cursor

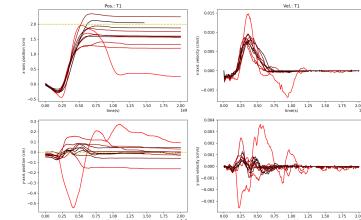
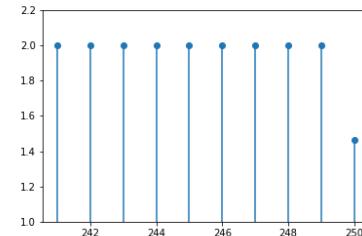
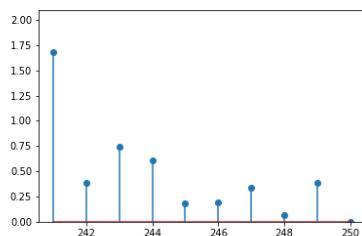
Errores:



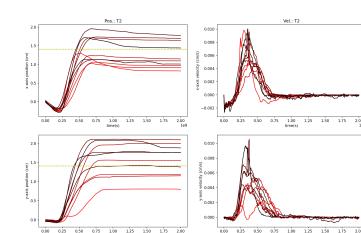
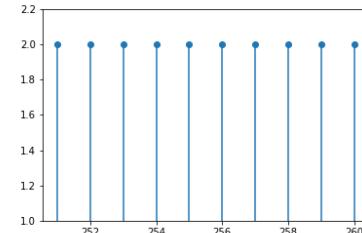
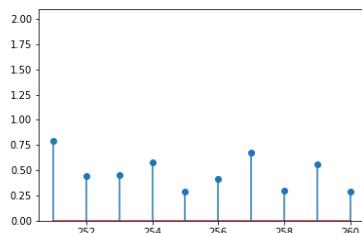
Tiempo:



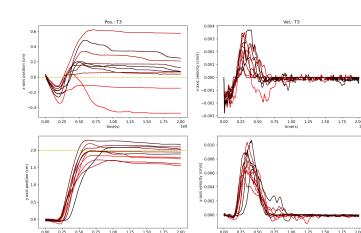
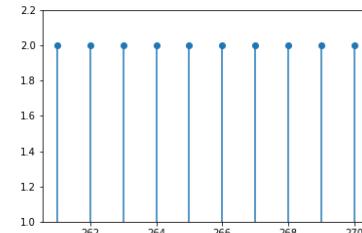
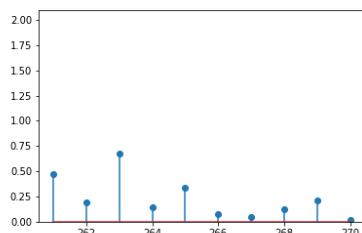
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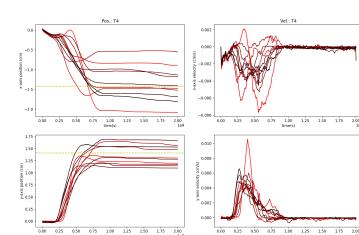
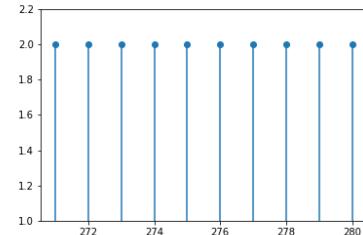
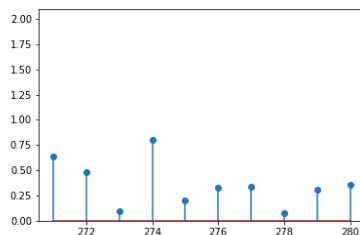
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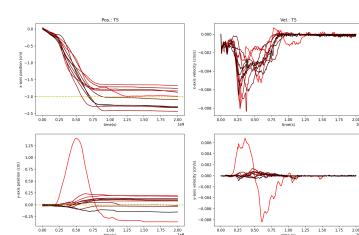
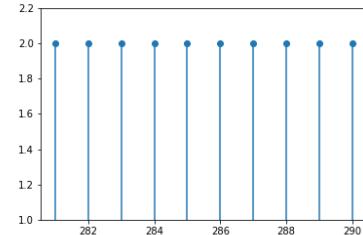
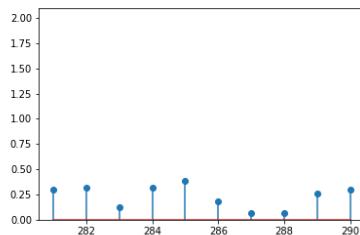
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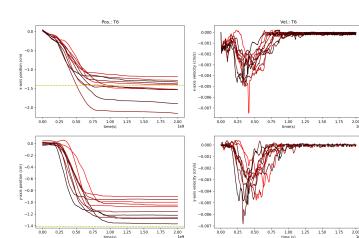
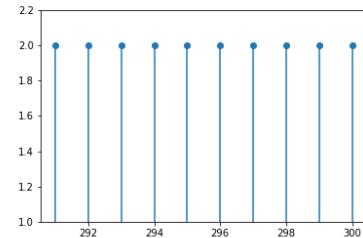
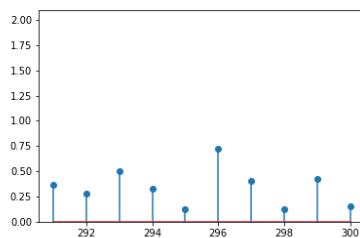
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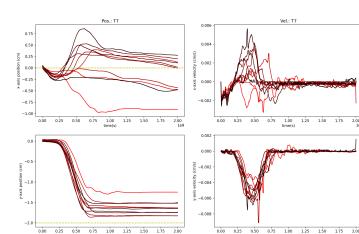
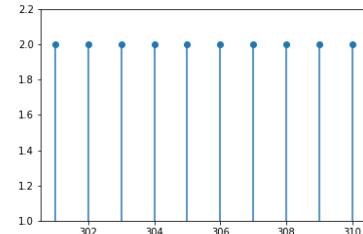
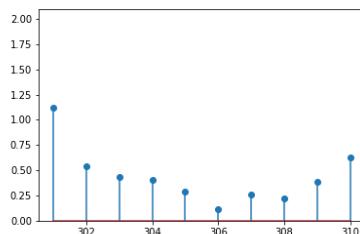
Posición 5:



Posición 6:



Posición 7:



Posición 8:

