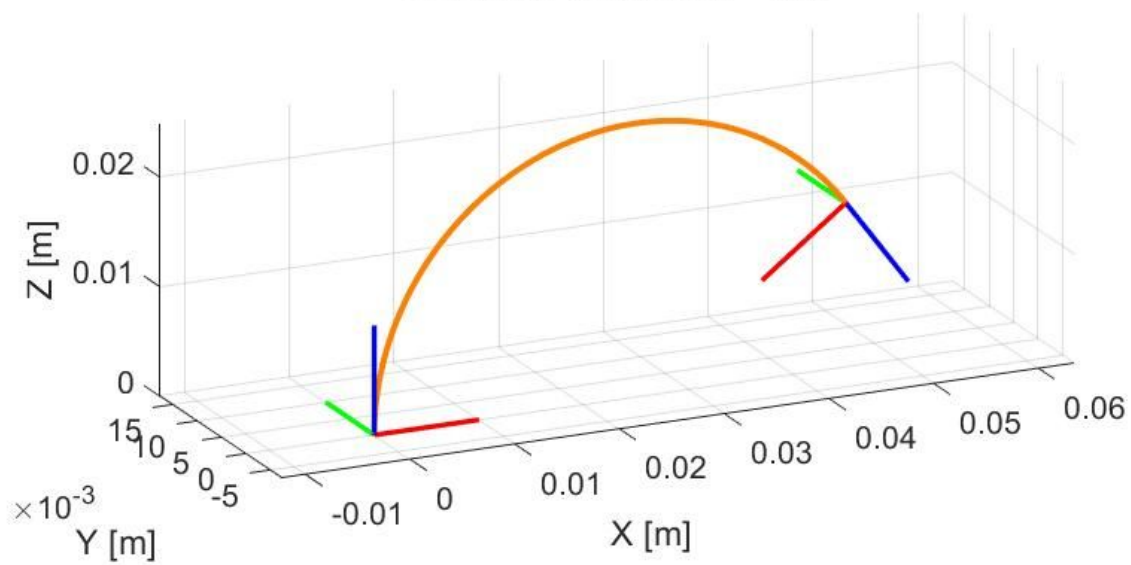


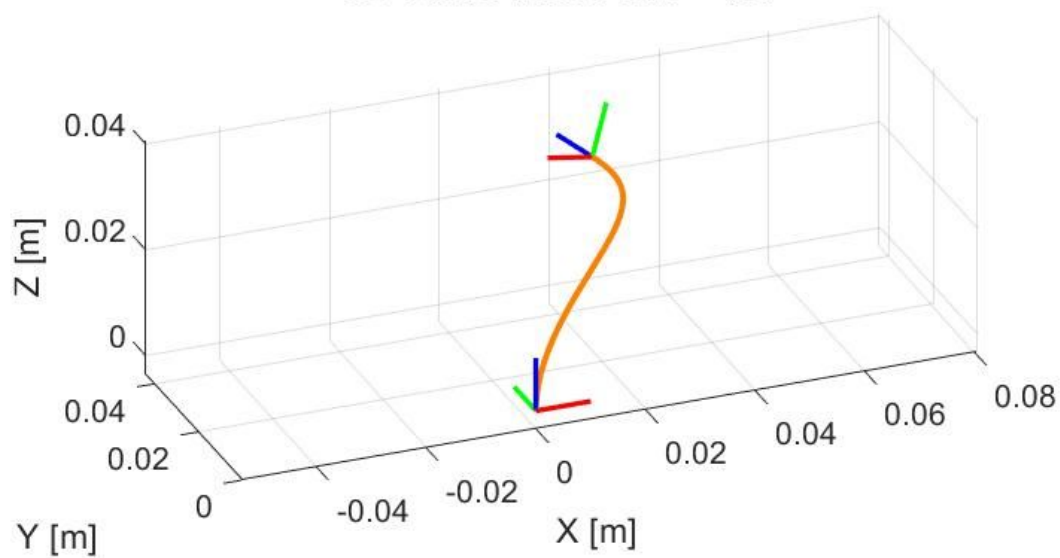
## Advanced Surgical Robots Homework 2

### Problem 1:

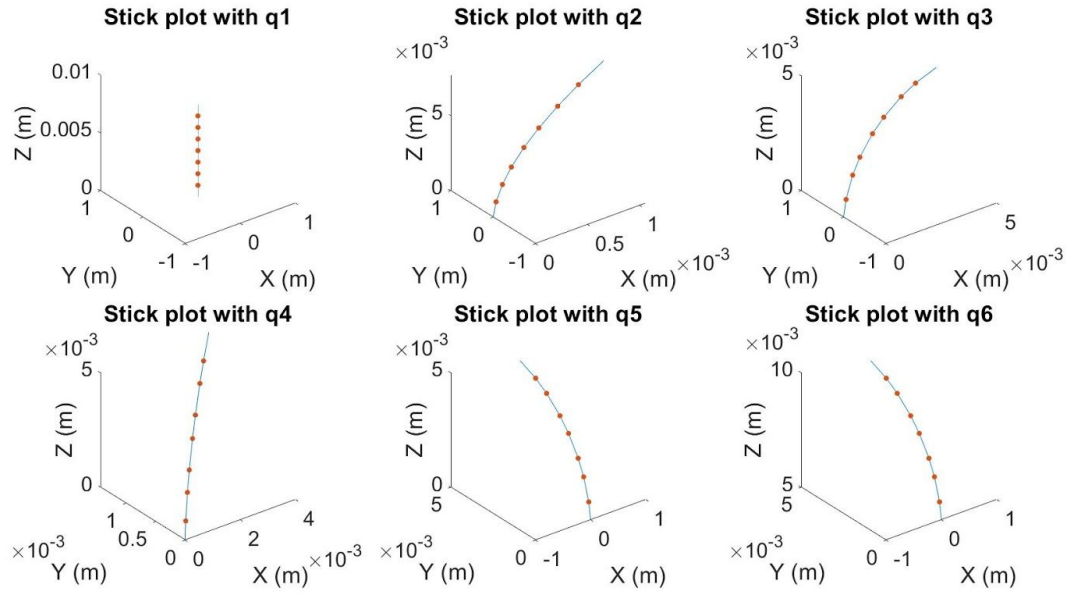
**3D curve where tau = 100**



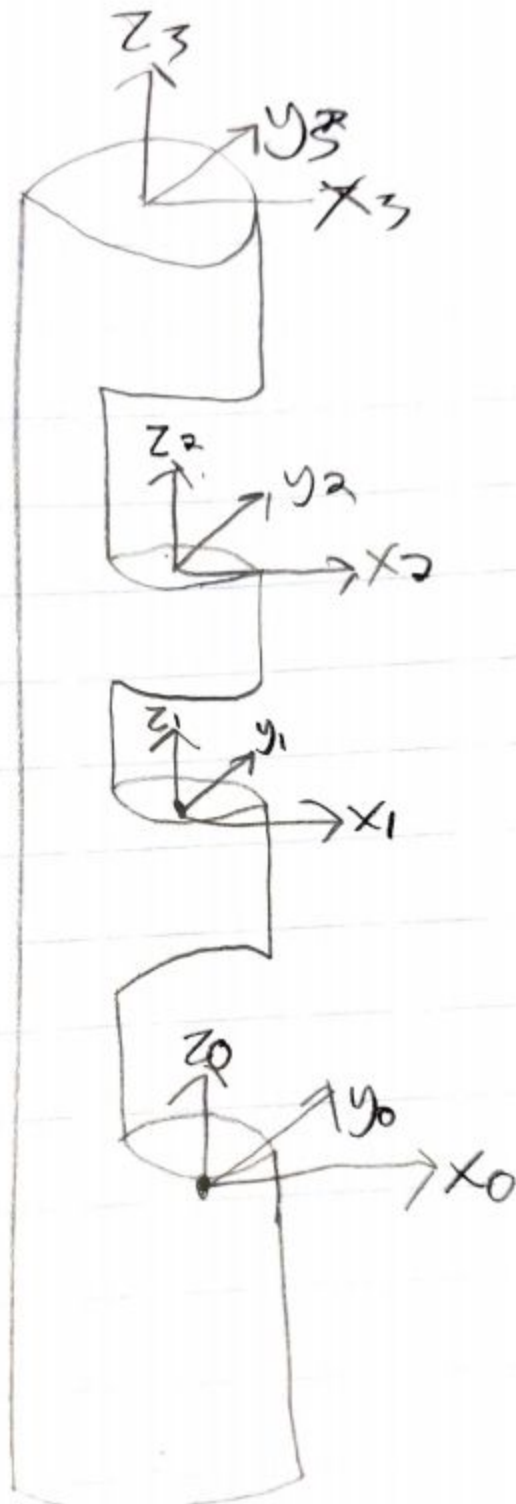
**3D Curve where Tau = 100**



### Problem 2:



	q1	q2	q3	q4	q5	q6
X (mm)	0	1.1	4.2	3.9	0	0
Y (mm)	0	0	0	1.4	4.2	4.2
Z (mm)	8	7.7	5	5	5	10



11/15/19

## Problem 3:

None of the  $q$  vectors cause strain to exceed maximum recoverable strain. A  $\Delta L$  of 2.65mm cause strain to exceed NiTi maximum recoverable strain.

## Problem 4:

