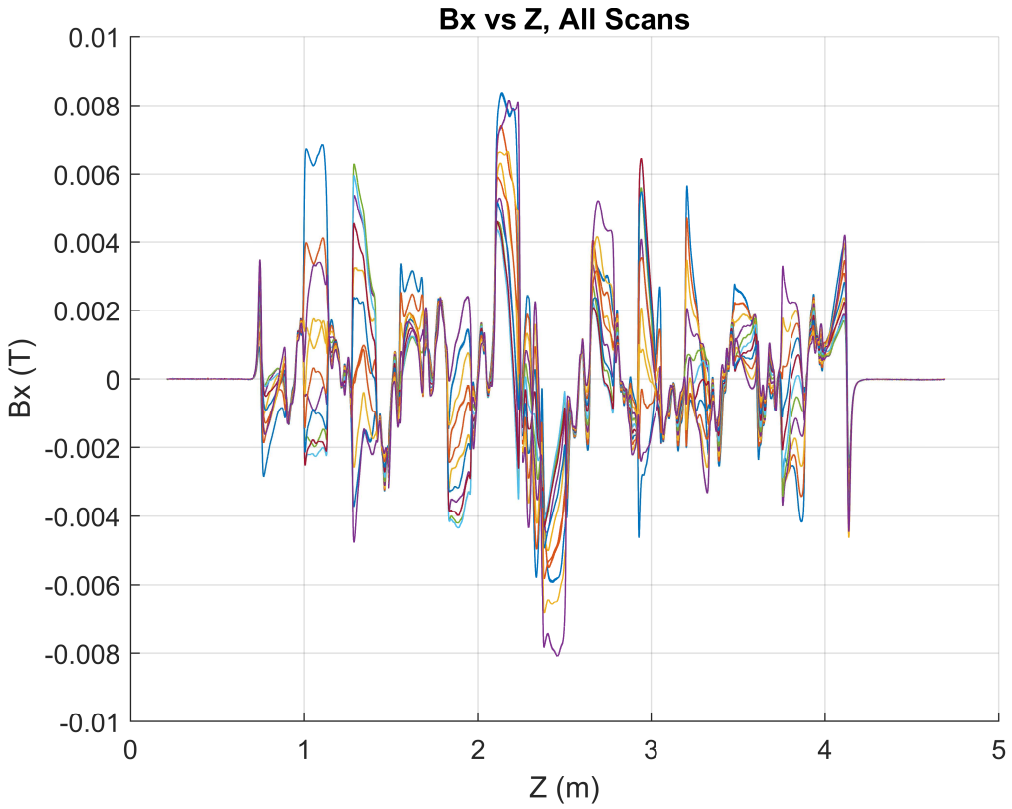
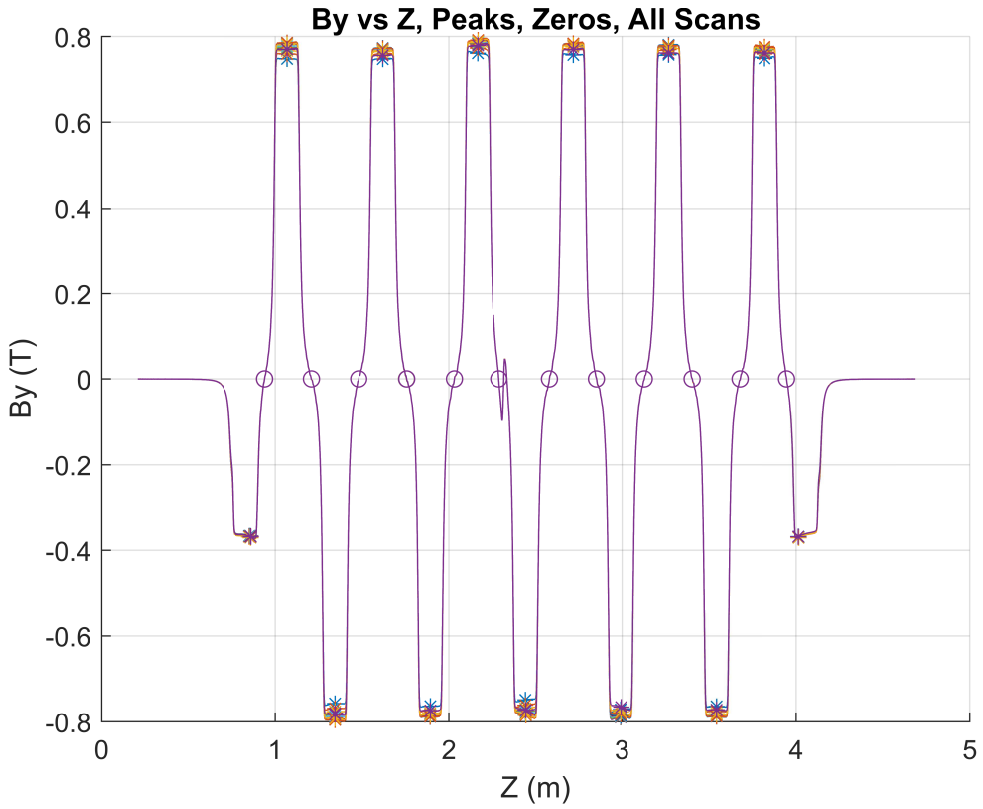
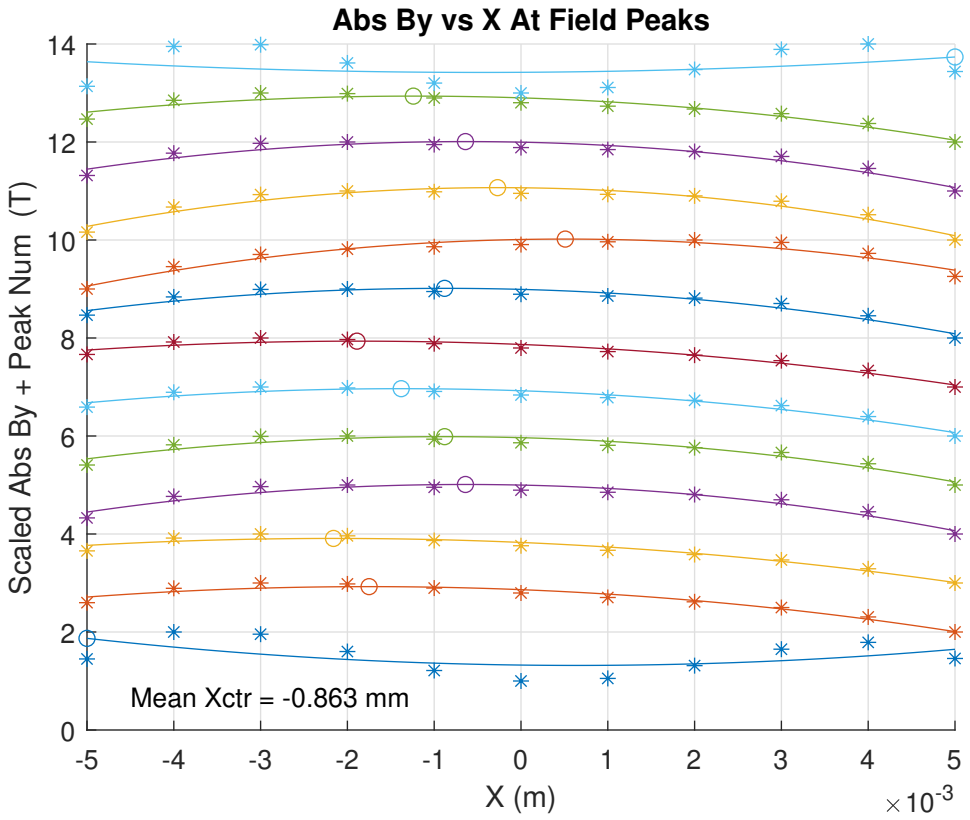
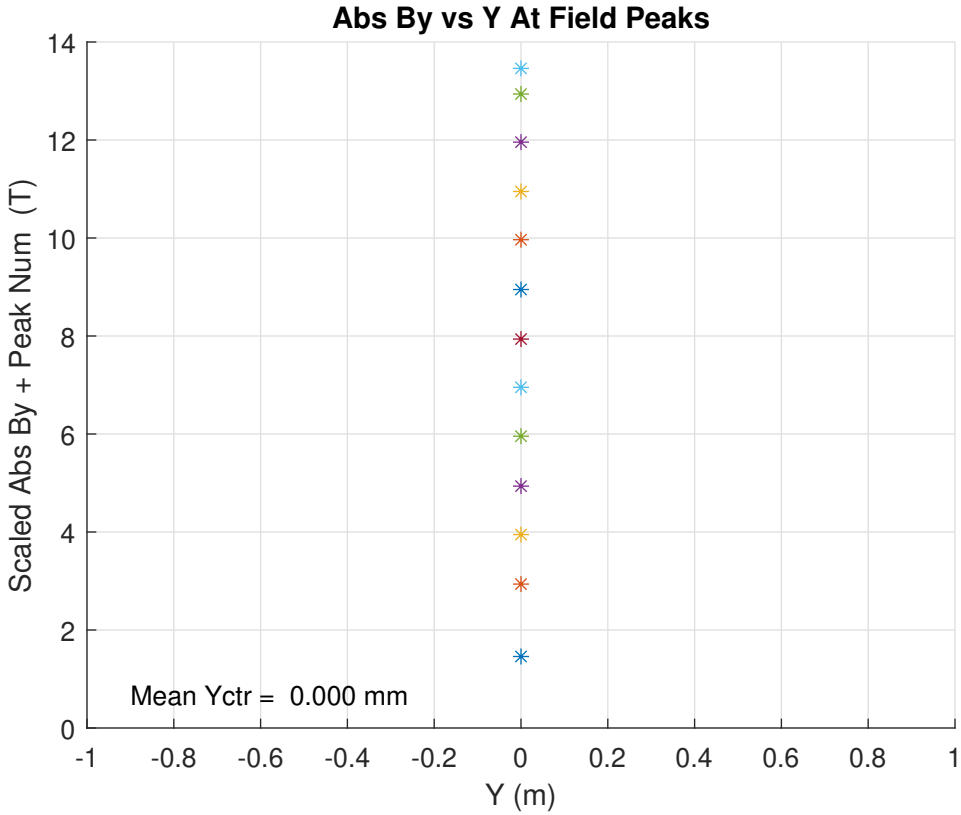
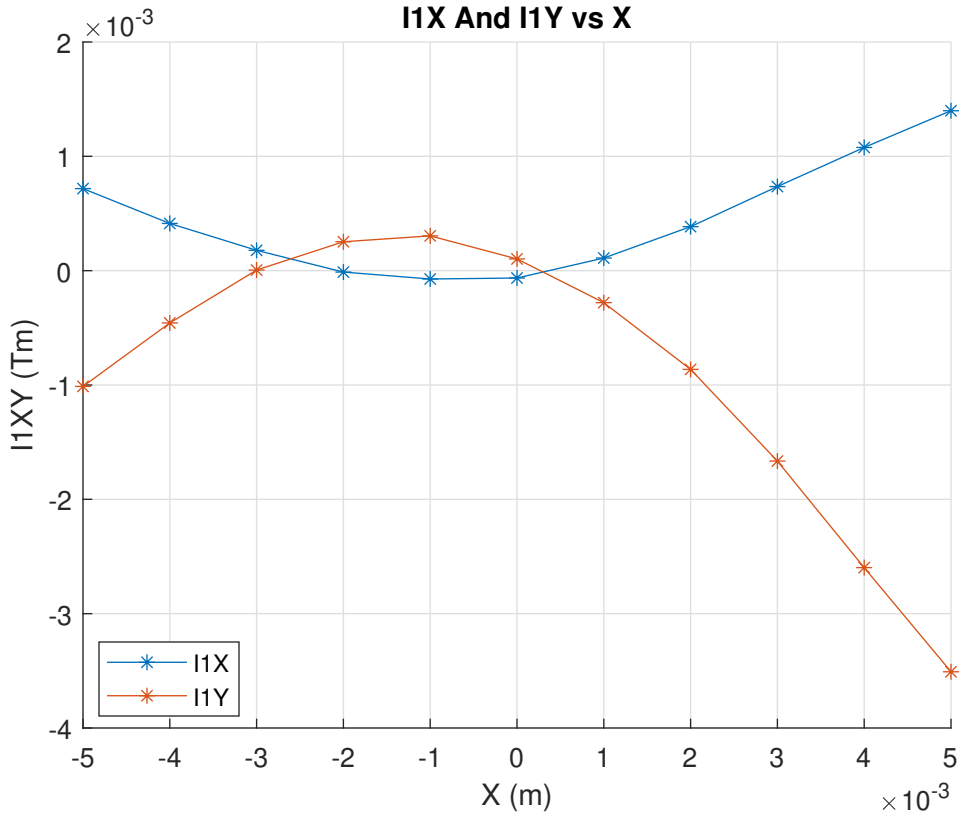
SLAC Magnetic Measurements#
Date: 06-08-2021#
Time: 10:34:03#

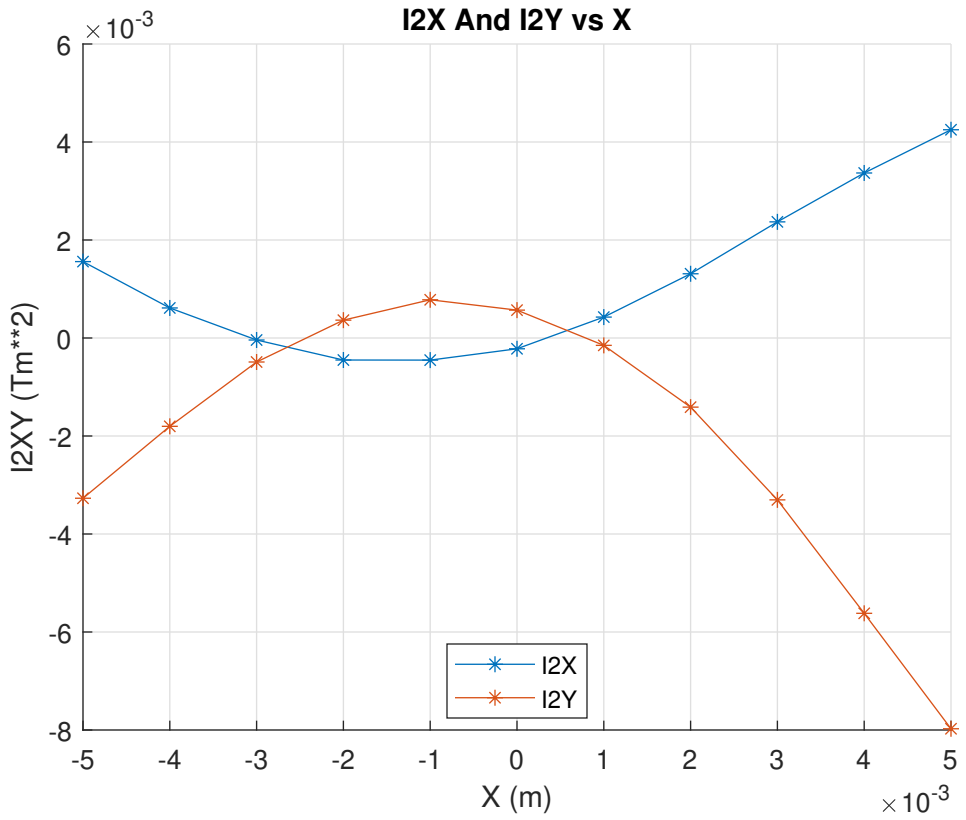

Bx vs Z, All Scans
0.01
0.008
0.006
0.004
0.002
0
-0.002
-0.004
-0.006
-0.008
-0.01
Bx (T)
0
1
2
3
4
5
Z (m)

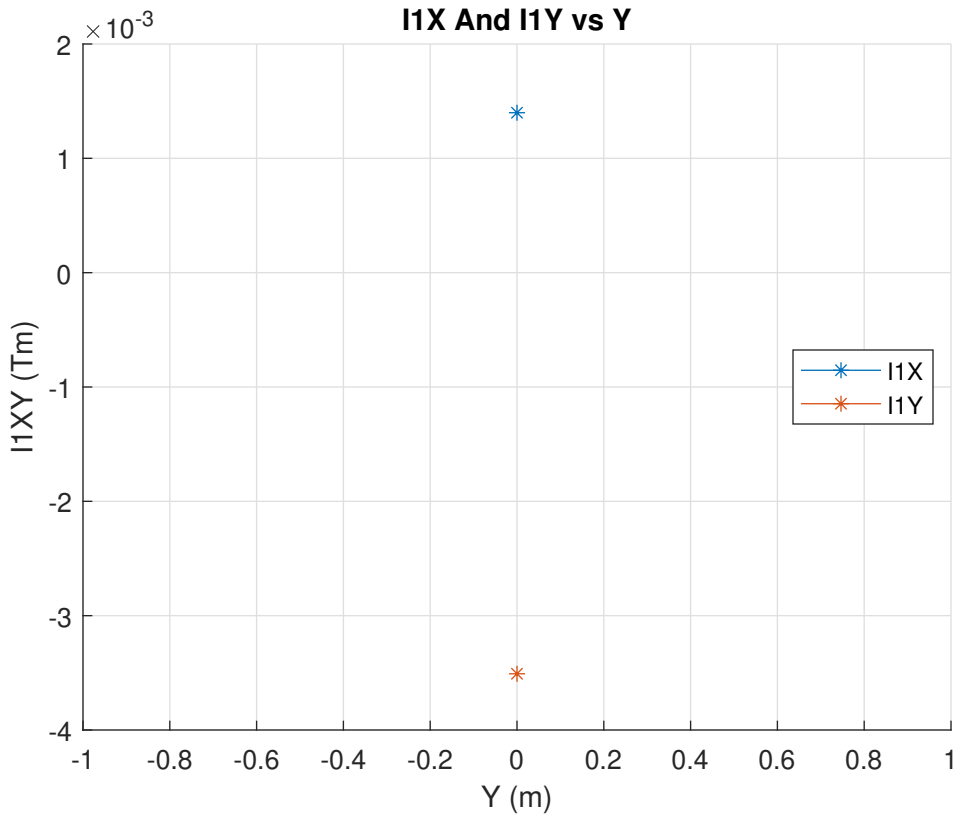

By vs Z, Peaks, Zeros, All Scans
By (T)
Z (m)
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
0
1
2
3
4
5

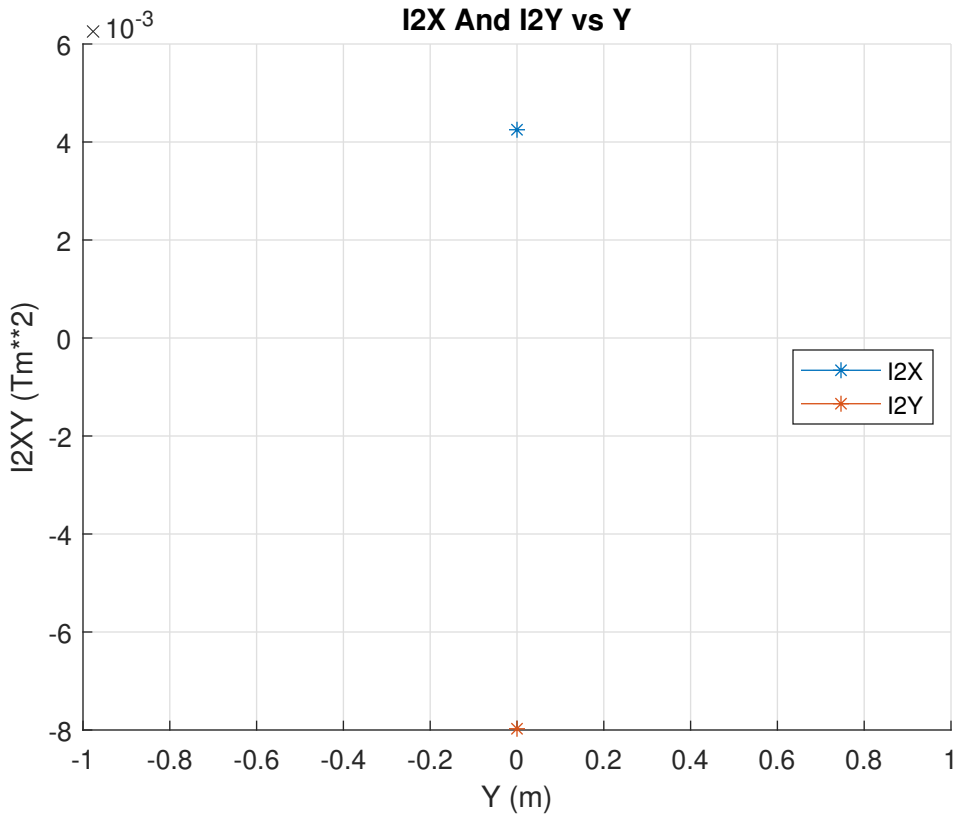

Abs By vs X At Field Peaks
Scaled Abs By + Peak Num (T)
X (m)
×10-3
Mean Xctr = -0.863 mm
0
2
4
6
8
10
12
14
-5
-4
-3
-2
-1
0
1
2
3
4
5

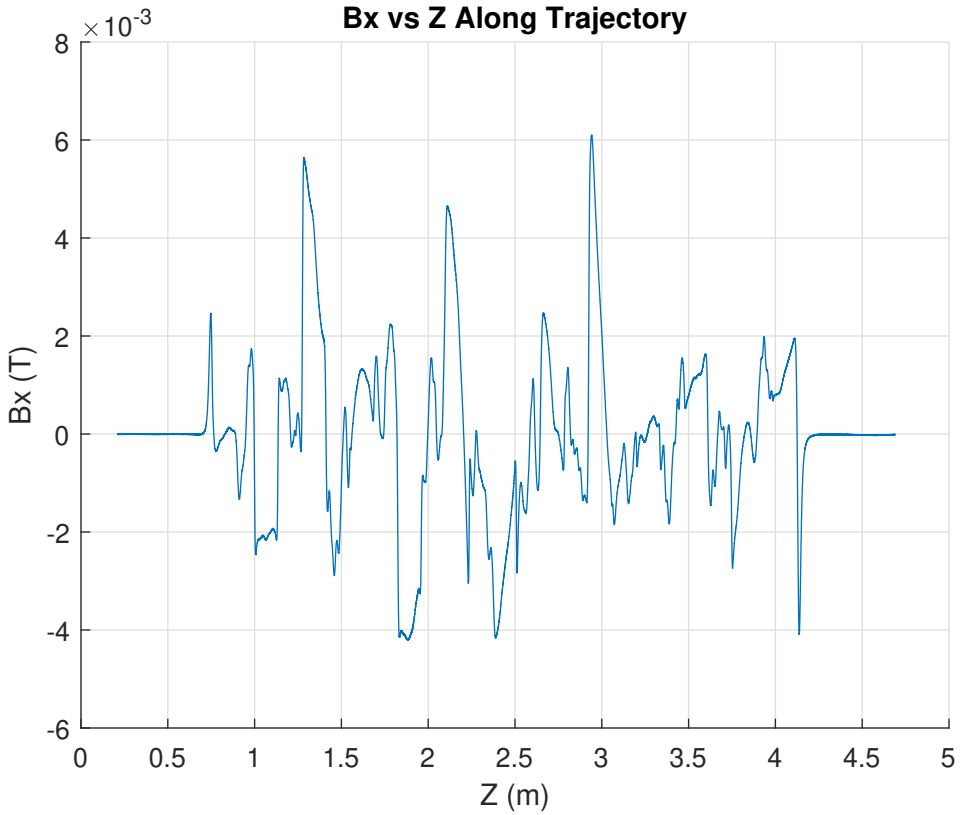

Abs By vs Y At Field Peaks
Scaled Abs By + Peak Num (T)
Y (m)
Mean Yctr = 0.000 mm
0
2
4
6
8
10
12
14
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

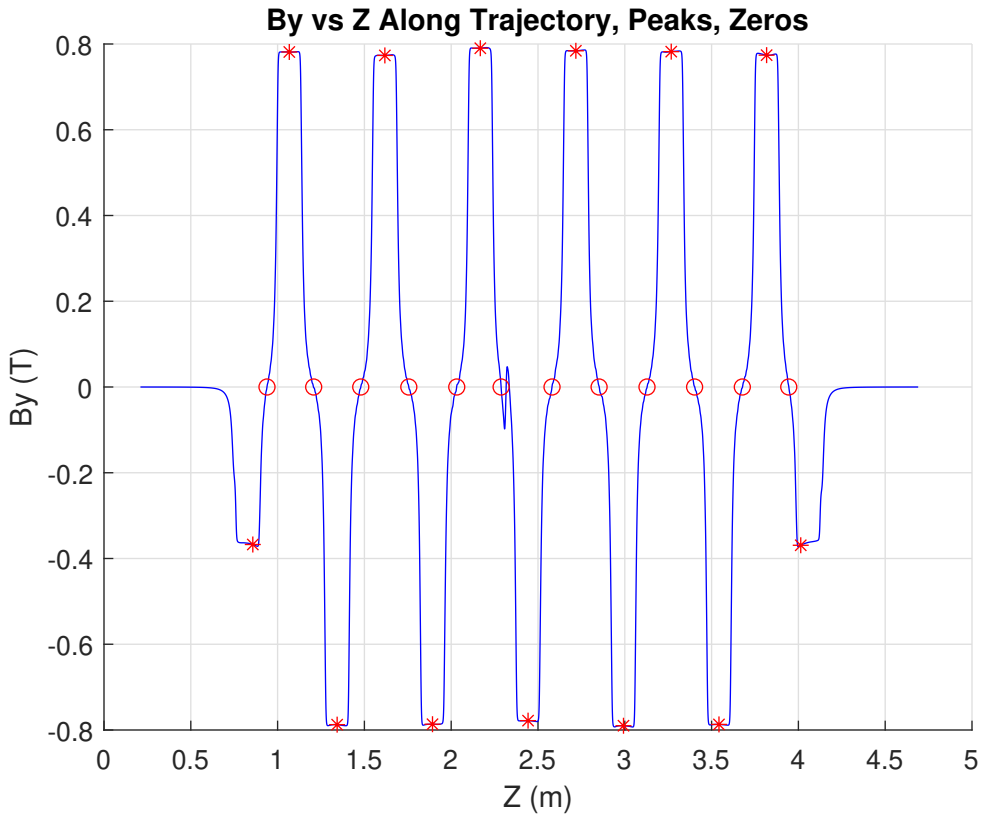

I1X And I1Y vs X
×10-3
2
1
0
-1
-2
-3
-4
I1XY (Tm)
-5
-4
-3
-2
-1
0
1
2
3
4
5
X (m)
×10-3
I1X
I1Y

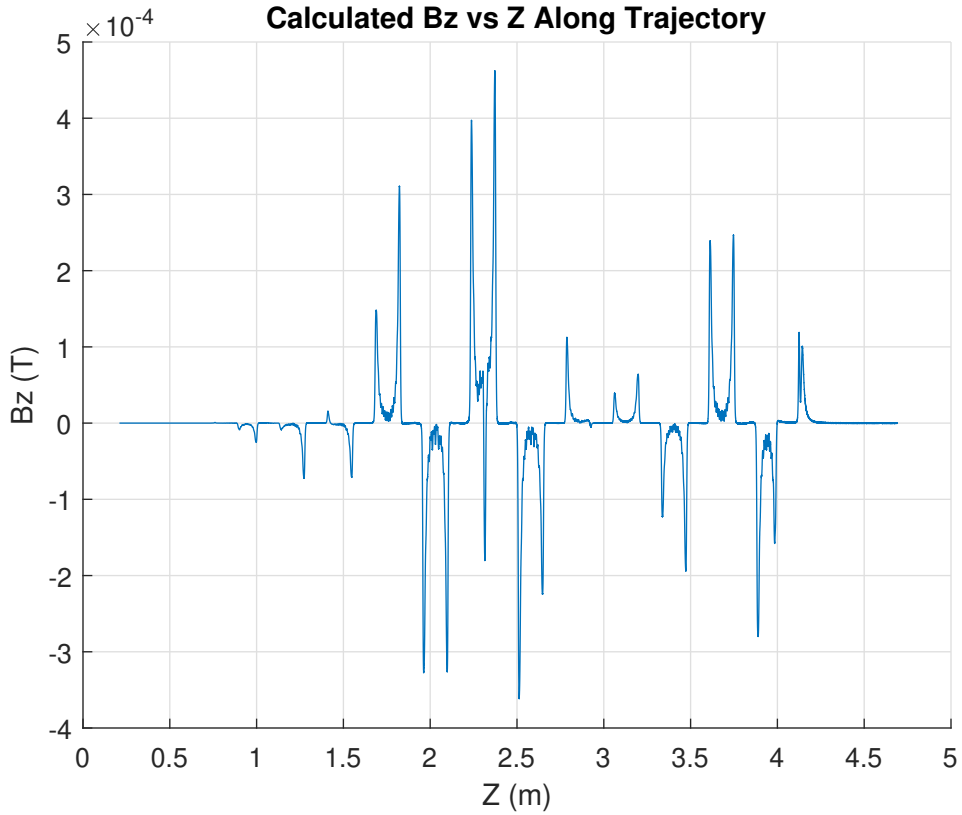

I2X And I2Y vs X
×10-3
6
4
2
0
-2
-4
-6
-8
I2XY (Tm**2)
-5
-4
-3
-2
-1
0
1
2
3
4
5
X (m)
×10-3
I2X
I2Y

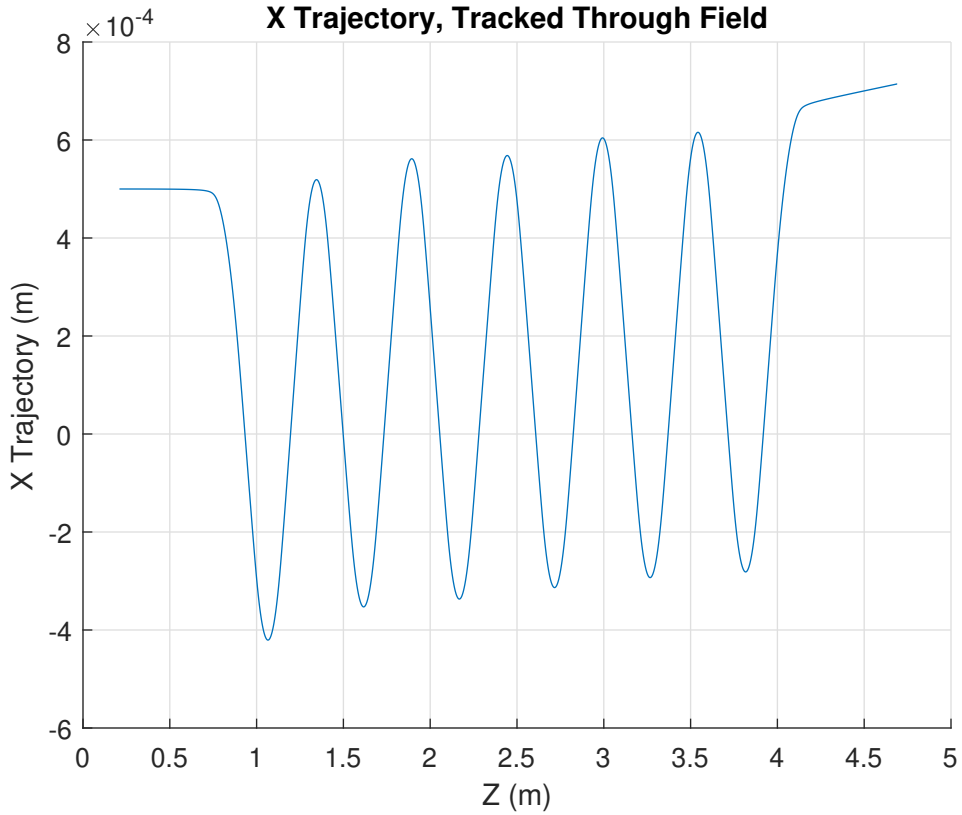

I1X And I1Y vs Y
×10-3
2
1
0
-1
-2
-3
-4
I1XY (Tm)
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1
Y (m)
I1X
I1Y

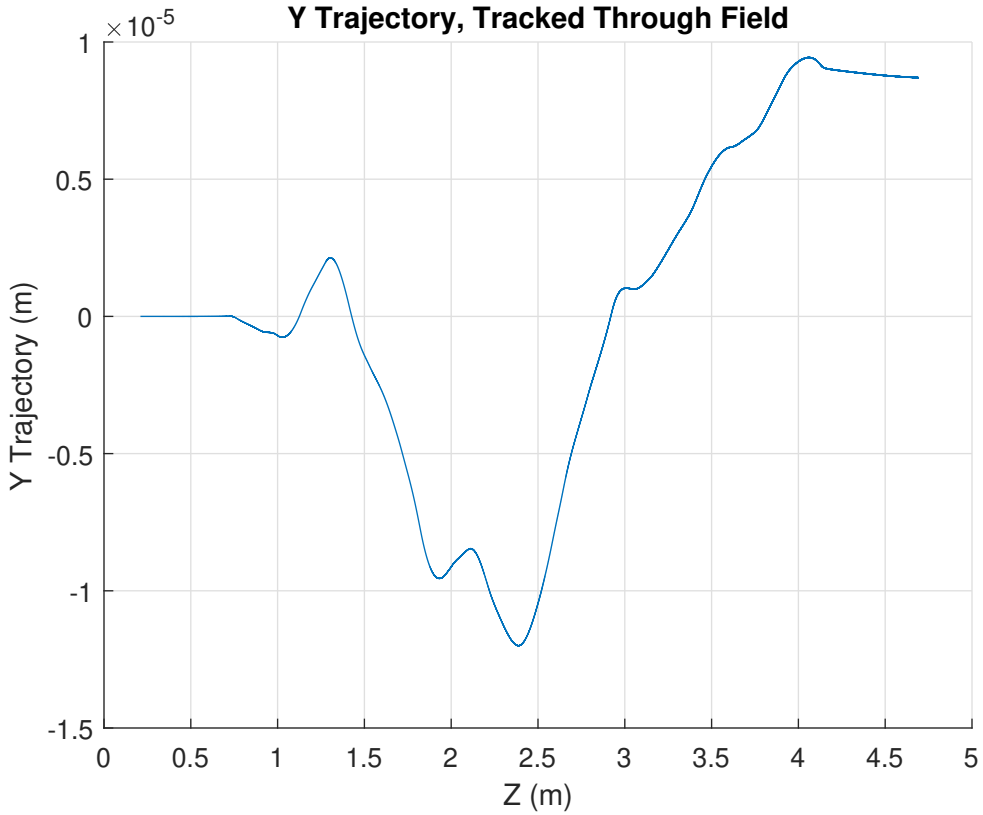

I2X And I2Y vs Y
×10-3
6
4
2
0
-2
-4
-6
-8
I2XY (Tm**2)
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1
Y (m)
I2X
I2Y

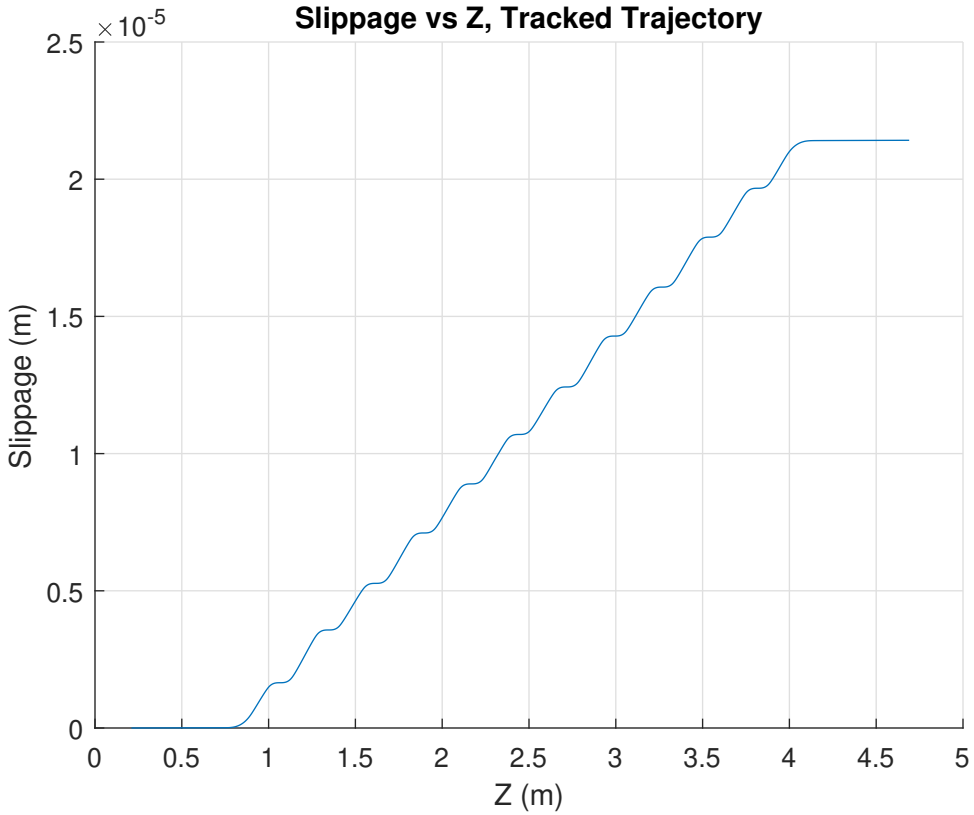

Bx vs Z Along Trajectory
×10-3
8
6
4
2
0
-2
-4
-6
Bx (T)
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Z (m)

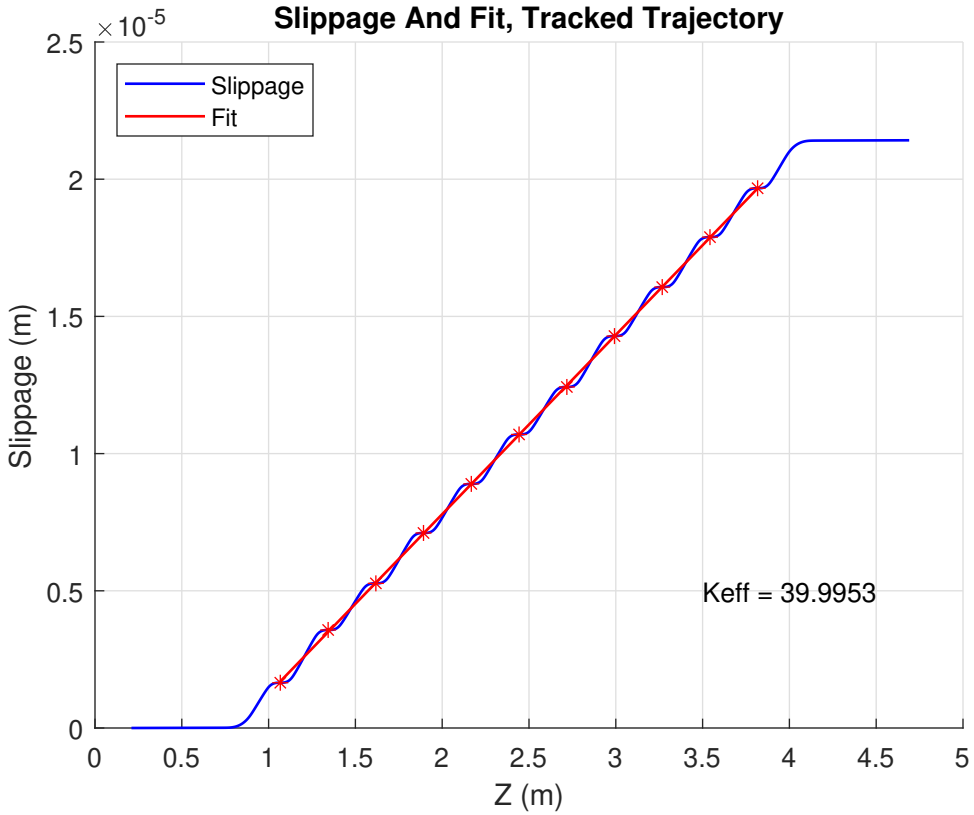

By vs Z Along Trajectory, Peaks, Zeros
By (T)
Z (m)
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5


Calculated Bz vs Z Along Trajectory
×10^-4
Bz (T)
Z (m)
5
4
3
2
1
0
-1
-2
-3
-4
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5


X Trajectory, Tracked Through Field
×10^-4
8
6
4
2
0
-2
-4
-6
X Trajectory (m)
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Z (m)


Y Trajectory, Tracked Through Field
×10^-5
1
0.5
0
-0.5
-1
-1.5
Y Trajectory (m)
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Z (m)


Slippage vs Z, Tracked Trajectory
×10^-5
2.5
2
1.5
1
0.5
0
Slippage (m)
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Z (m)


Slippage And Fit, Tracked Trajectory
×10^-5
Slippage
Fit
Keff = 39.9953
Slippage (m)
Z (m)
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5