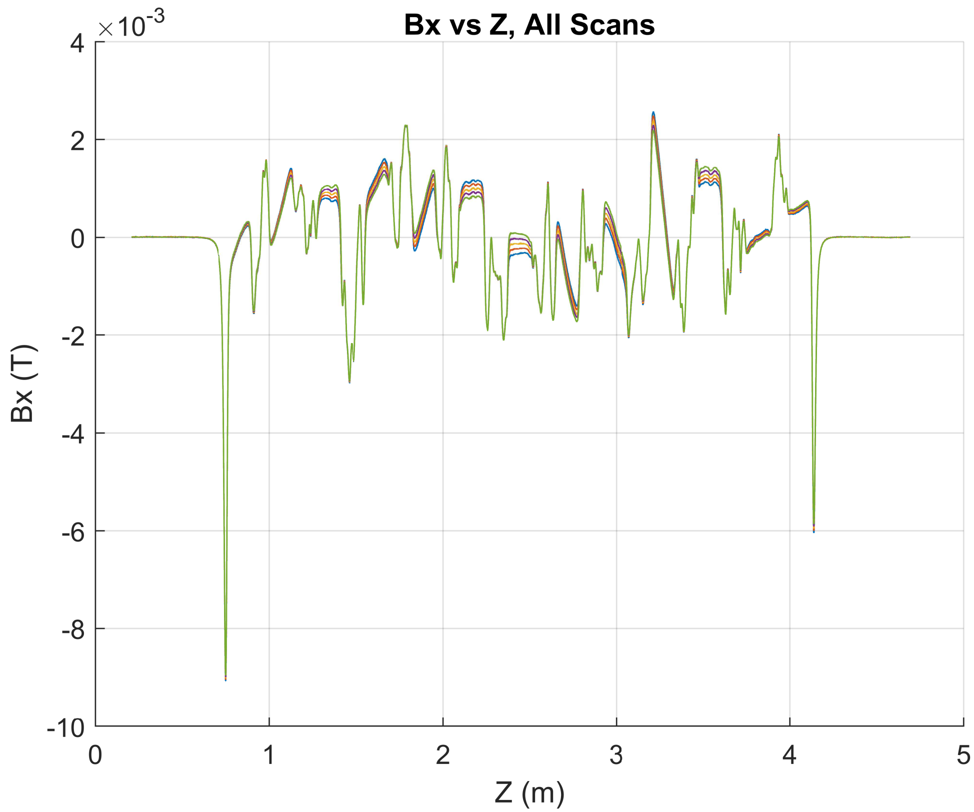
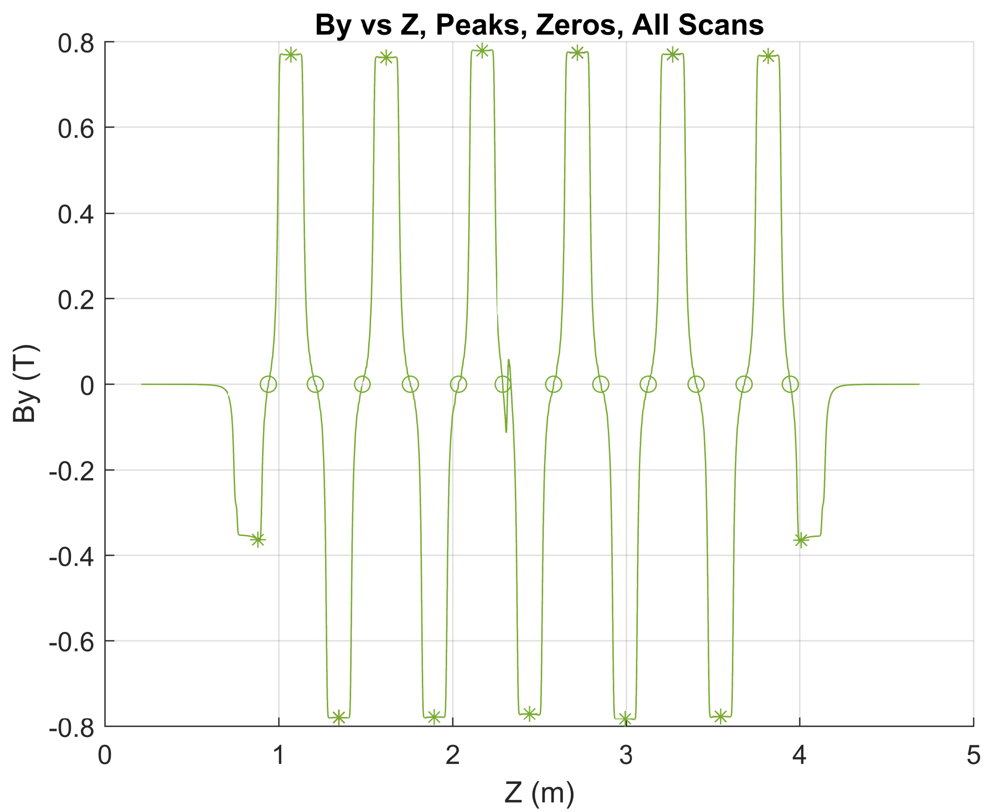
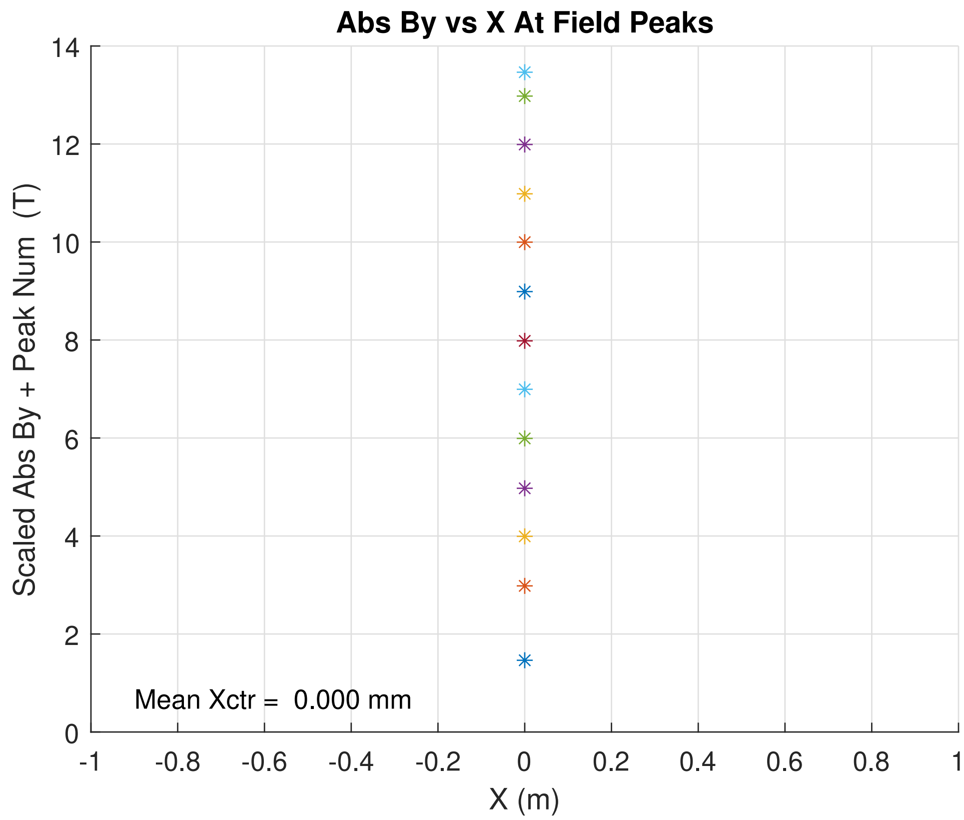
SLAC Magnetic Measurements#
Date: 10-09-2020#
Time: 11:32:52#

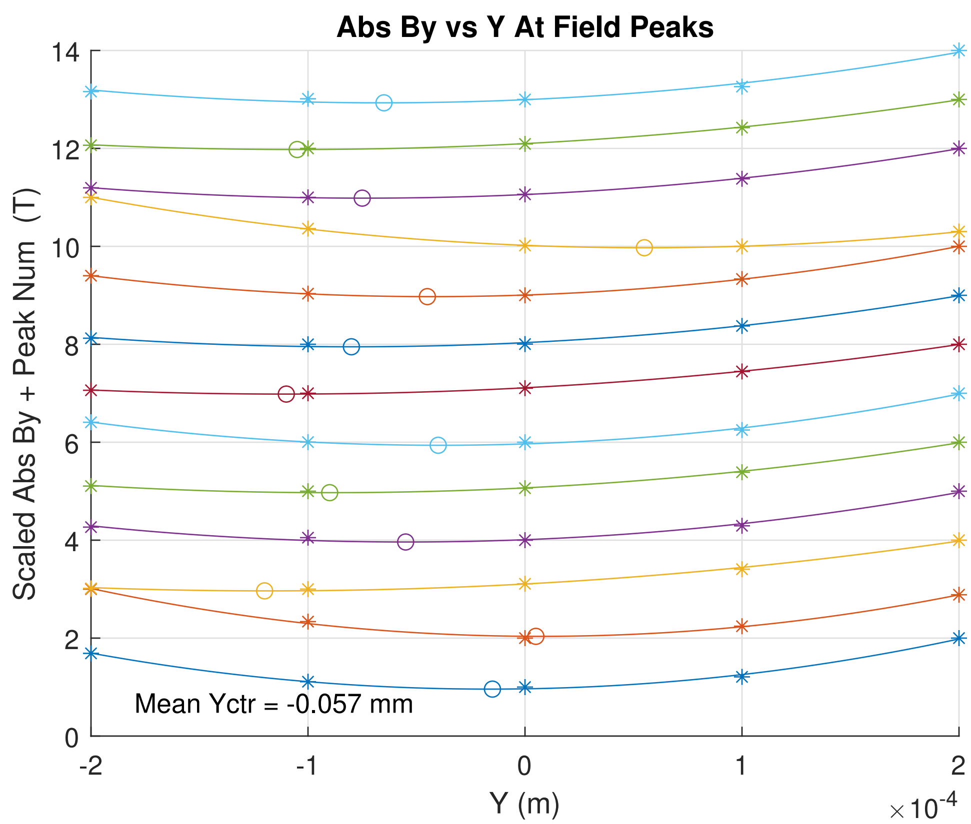


Bx vs Z, All Scans
$\times 10^{-3}$
4
2
0
-2
-4
-6
-8
-10
Bx (T)
0
1
2
3
4
5
Z (m)

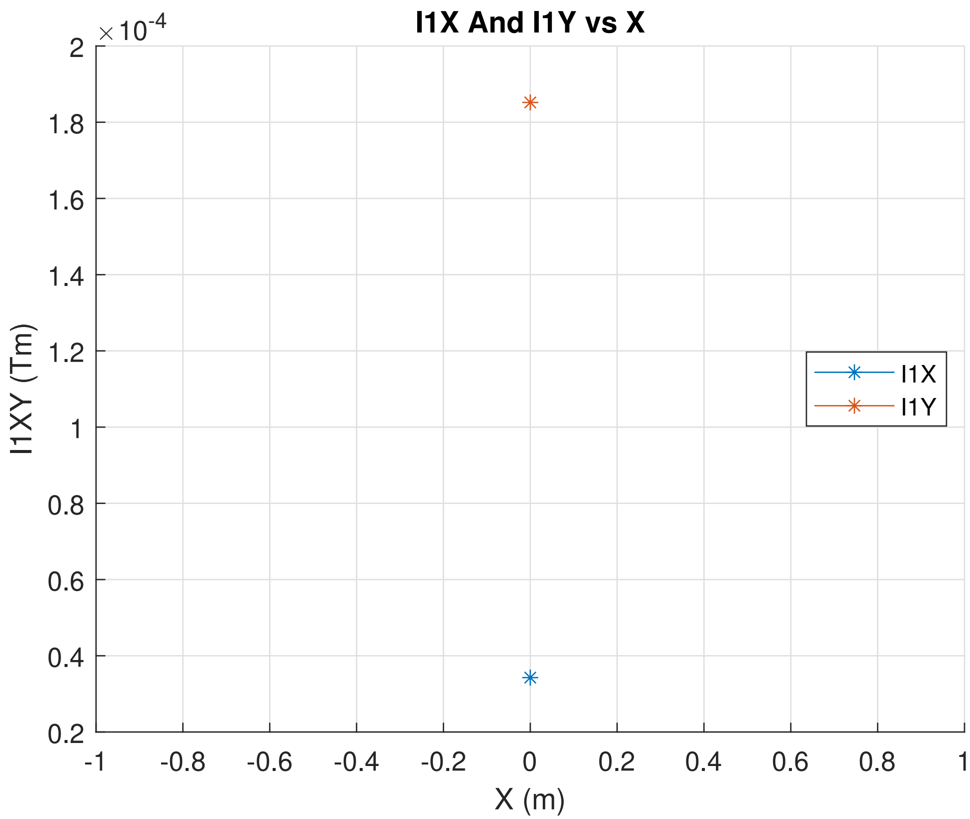


By vs Z, Peaks, Zeros, All Scans
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
By (T)
0
1
2
3
4
5
Z (m)

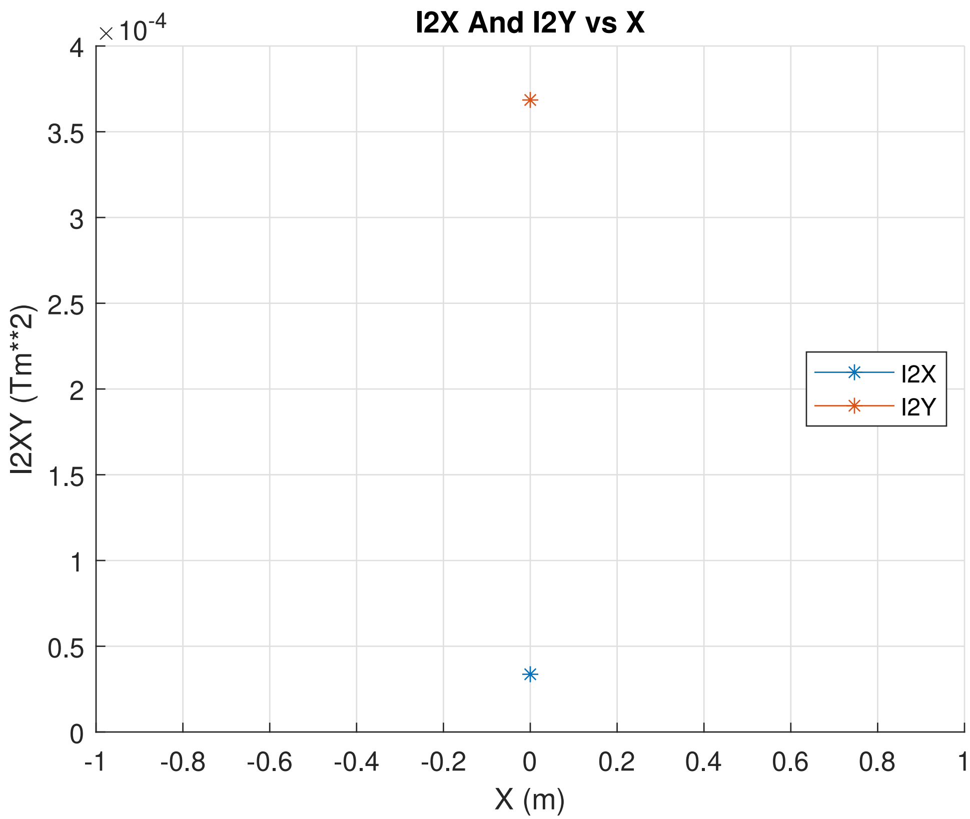

Abs By vs X At Field Peaks
Scaled Abs By + Peak Num (T)
X (m)
Mean Xctr = 0.000 mm
0
2
4
6
8
10
12
14
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1



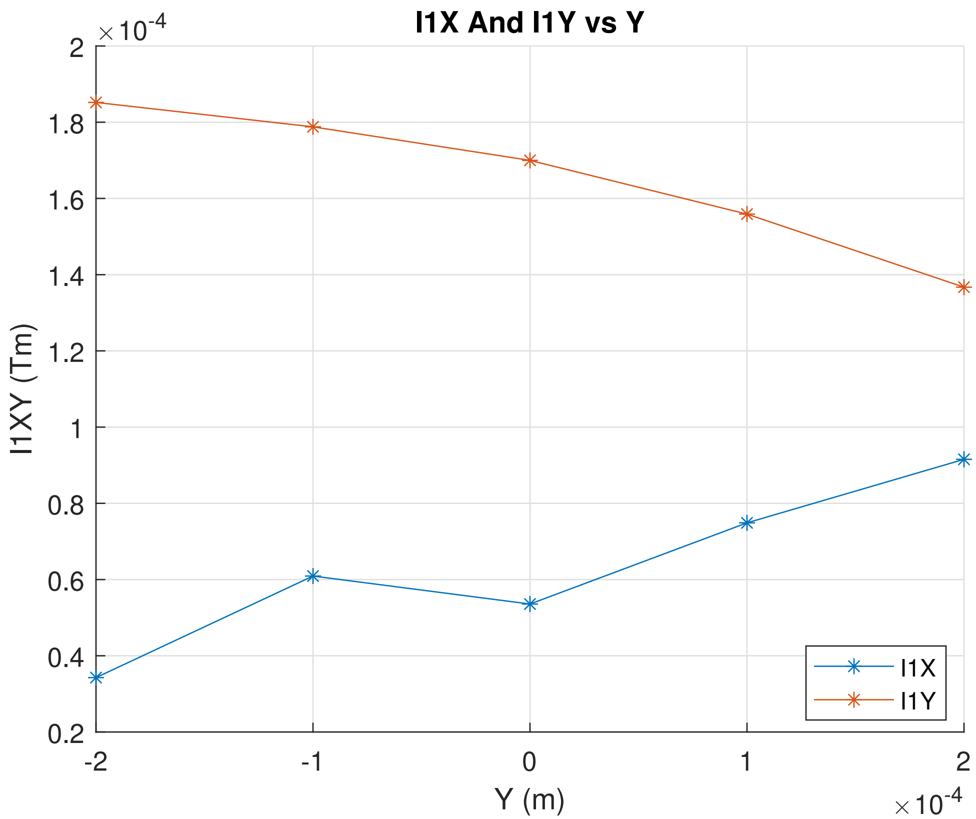
Abs By vs Y At Field Peaks
Scaled Abs By + Peak Num (T)
Y (m)
×10^-4
Mean Yctr = -0.057 mm



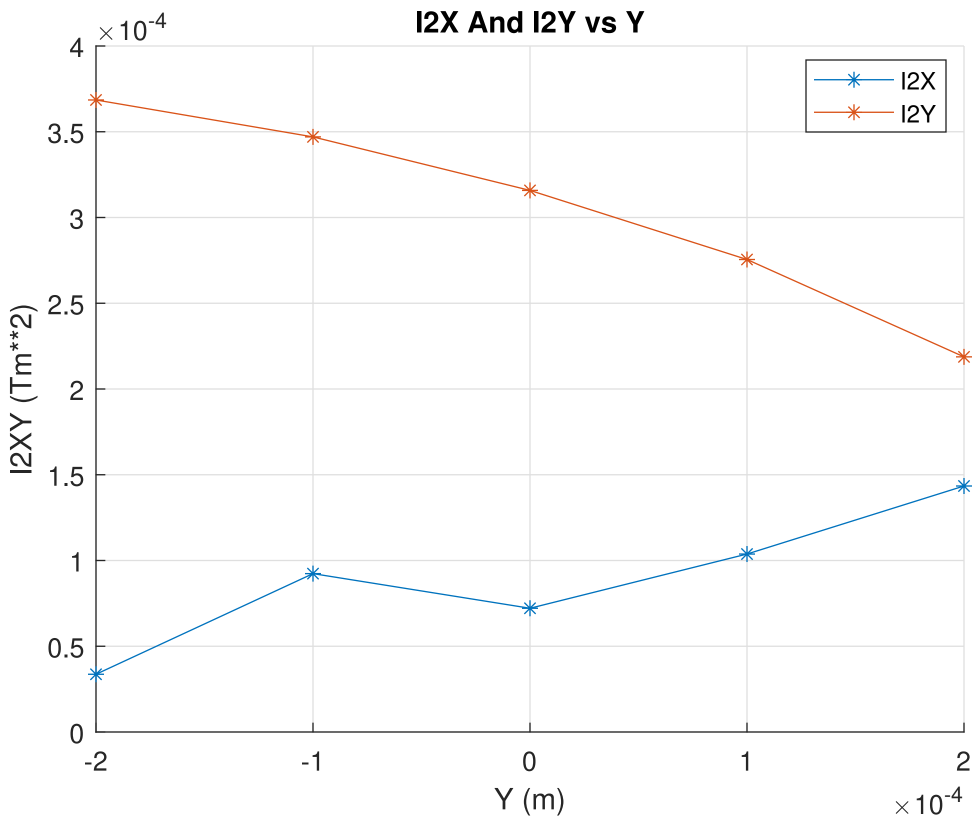
I1X And I1Y vs X
×10^-4
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
I1XY (Tm)
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1
X (m)
I1X
I1Y

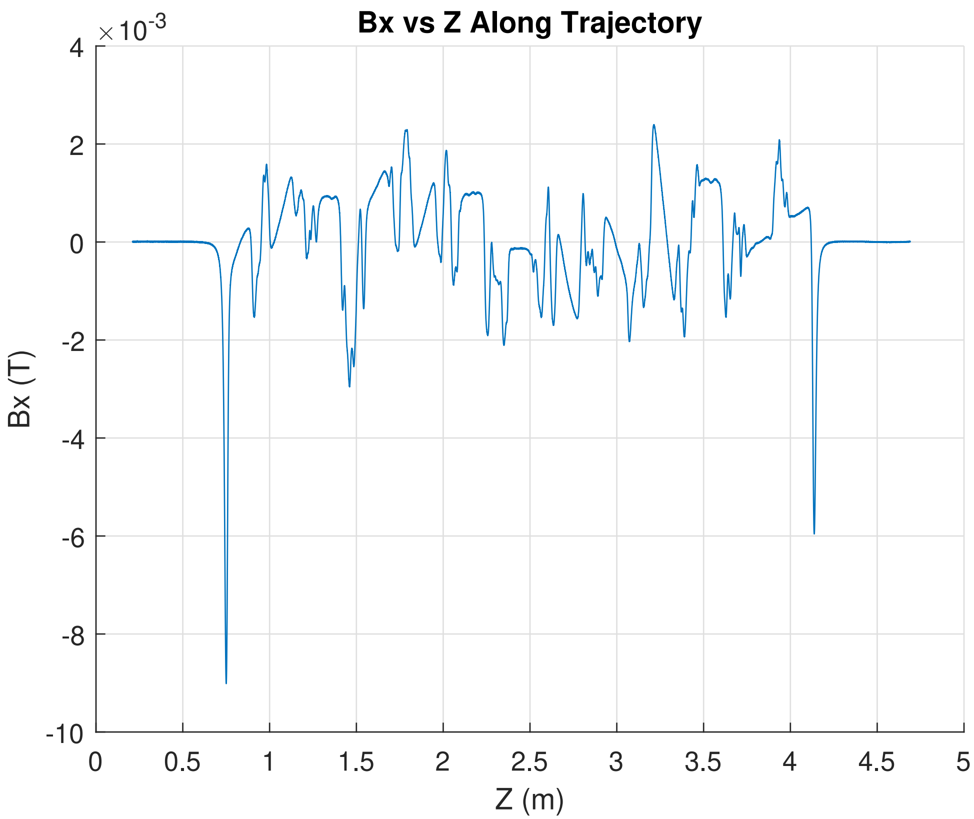


I2X And I2Y vs X
×10^-4
4
3.5
3
2.5
2
1.5
1
0.5
0
I2XY (Tm**2)
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1
X (m)
I2X
I2Y

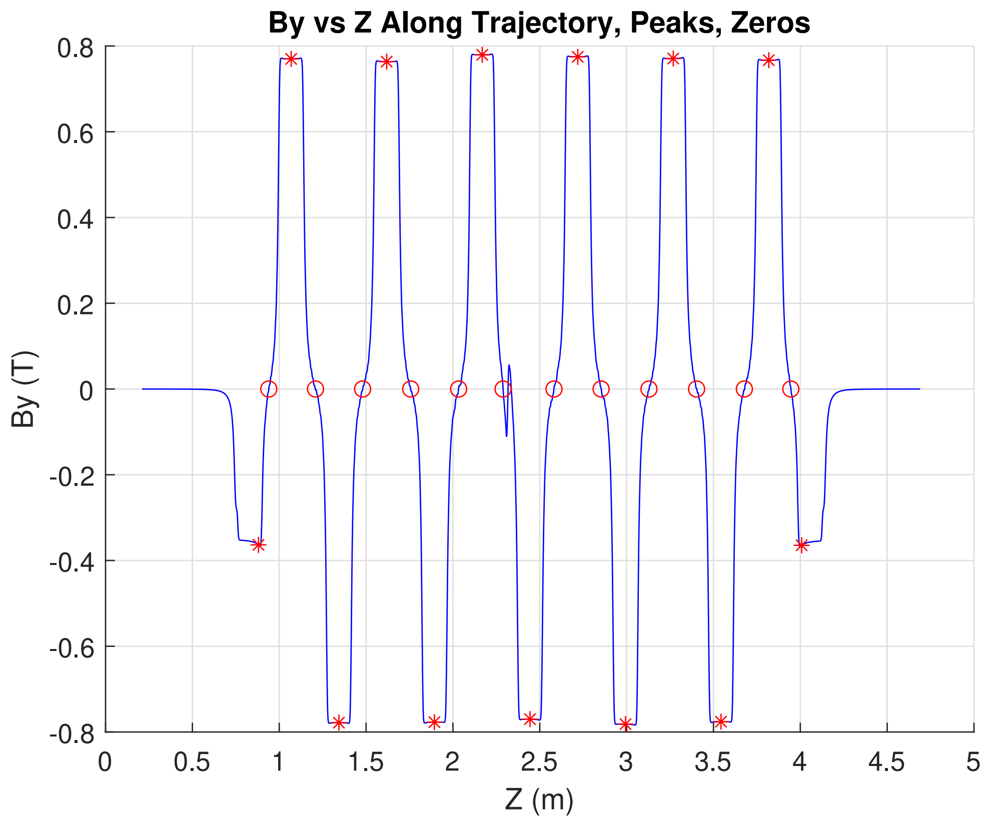


I1X And I1Y vs Y
×10^-4
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
I1XY (Tm)
-2
-1
0
1
2
Y (m)
×10^-4
I1X
I1Y

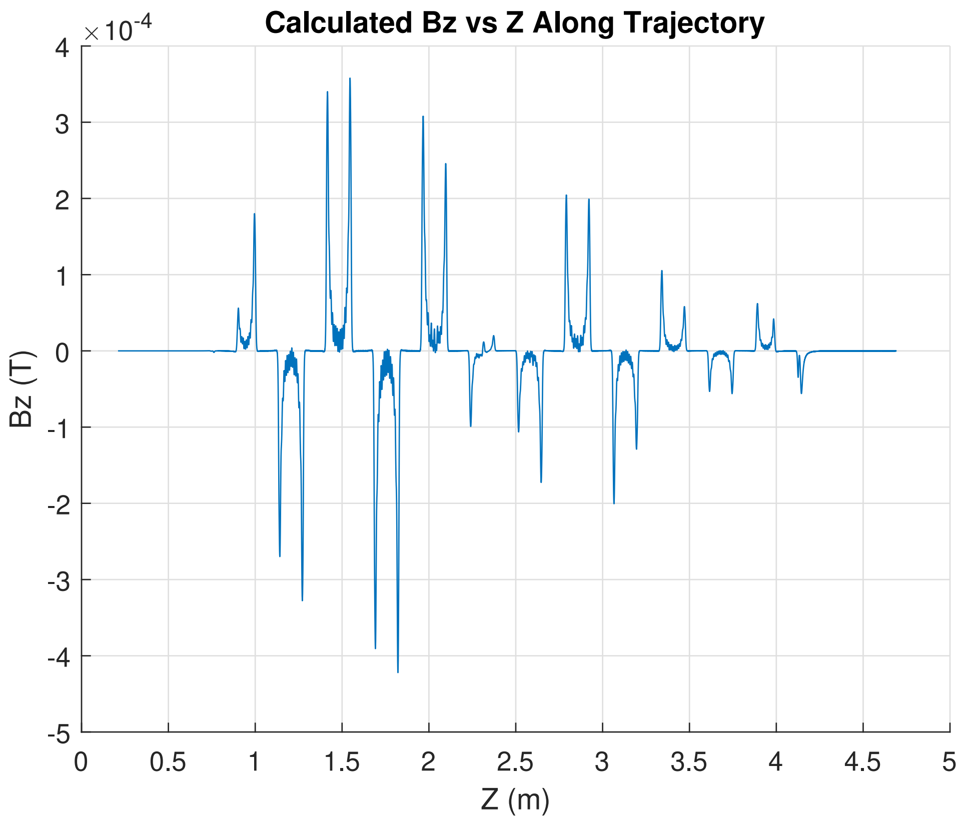

I2X And I2Y vs Y
×10^-4
4
3.5
3
2.5
2
1.5
1
0.5
0
I2XY (Tm**2)
-2
-1
0
1
2
Y (m)
×10^-4
I2X
I2Y



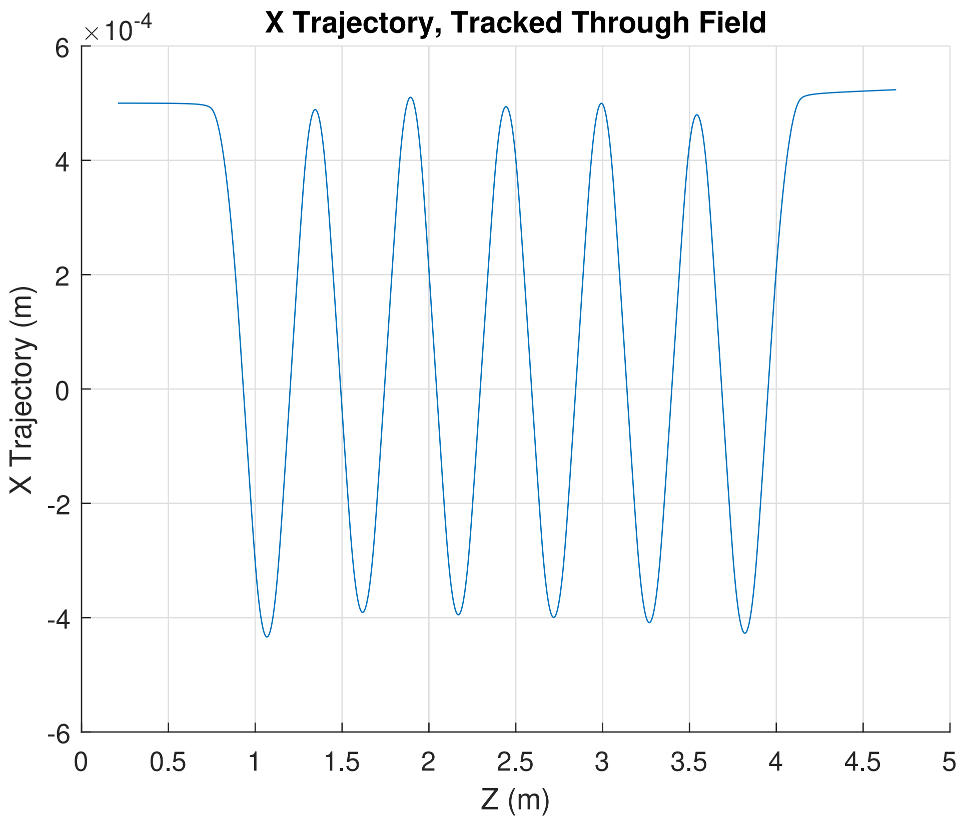
Bx vs Z Along Trajectory
×10^-3
4
2
0
-2
-4
-6
-8
-10
Bx (T)
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Z (m)

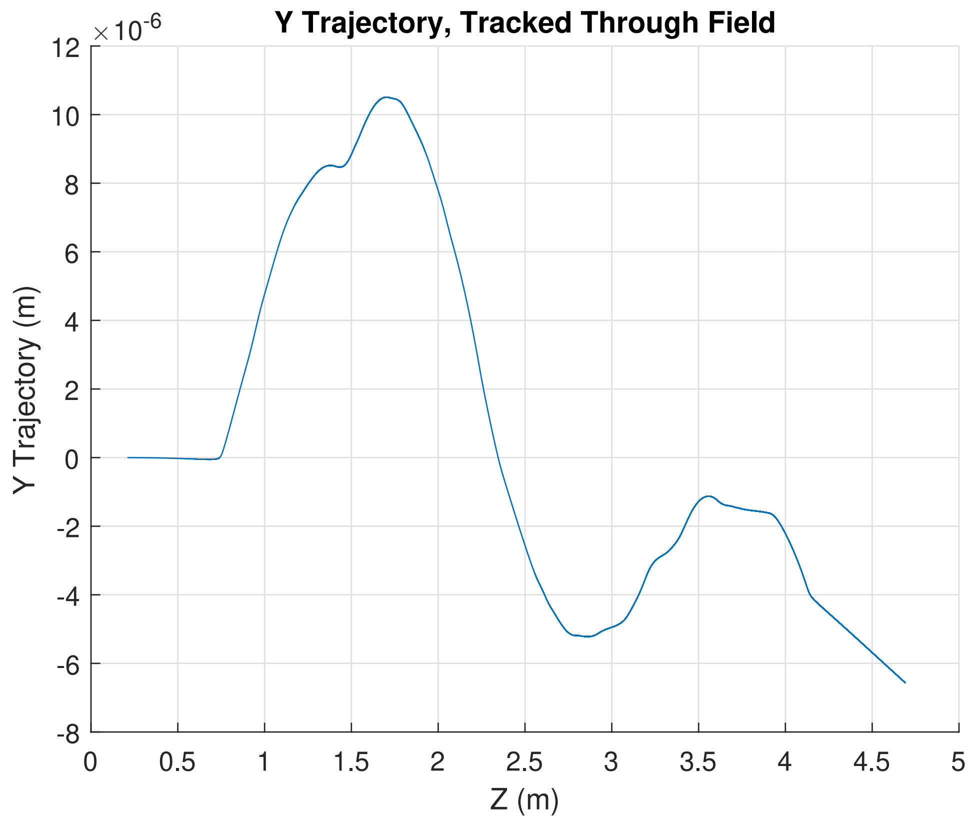


By vs Z Along Trajectory, Peaks, Zeros
By (T)
Z (m)
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5

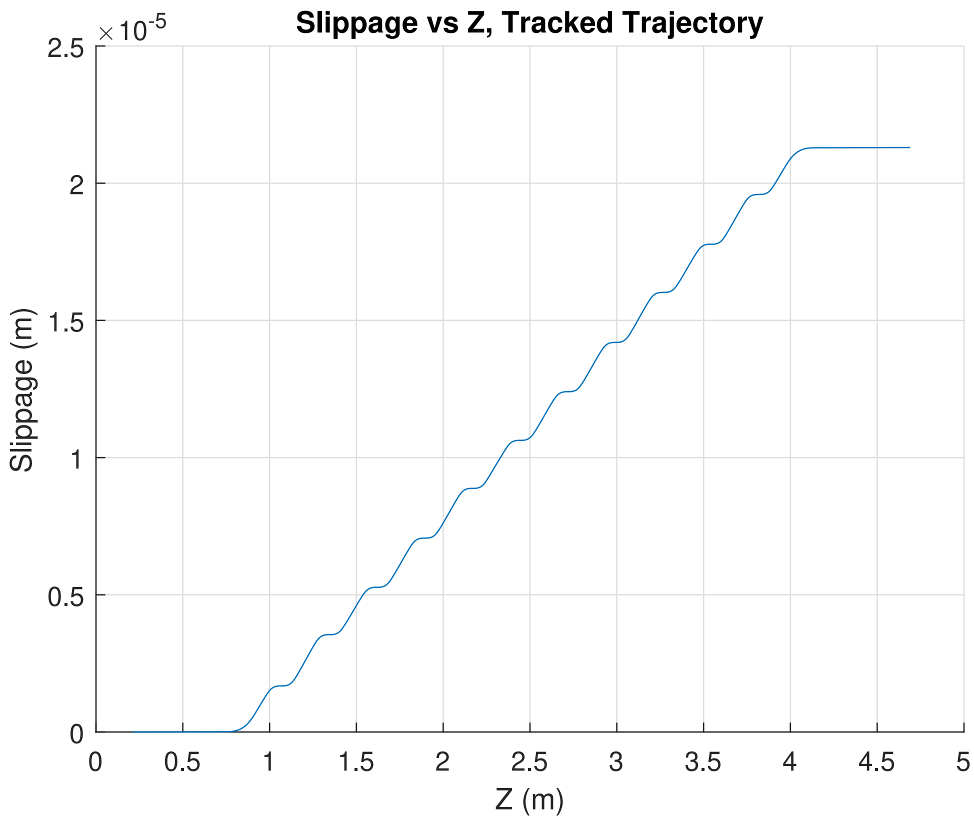


Calculated Bz vs Z Along Trajectory
×10^-4
4
3
2
1
0
-1
-2
-3
-4
-5
Bz (T)
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Z (m)

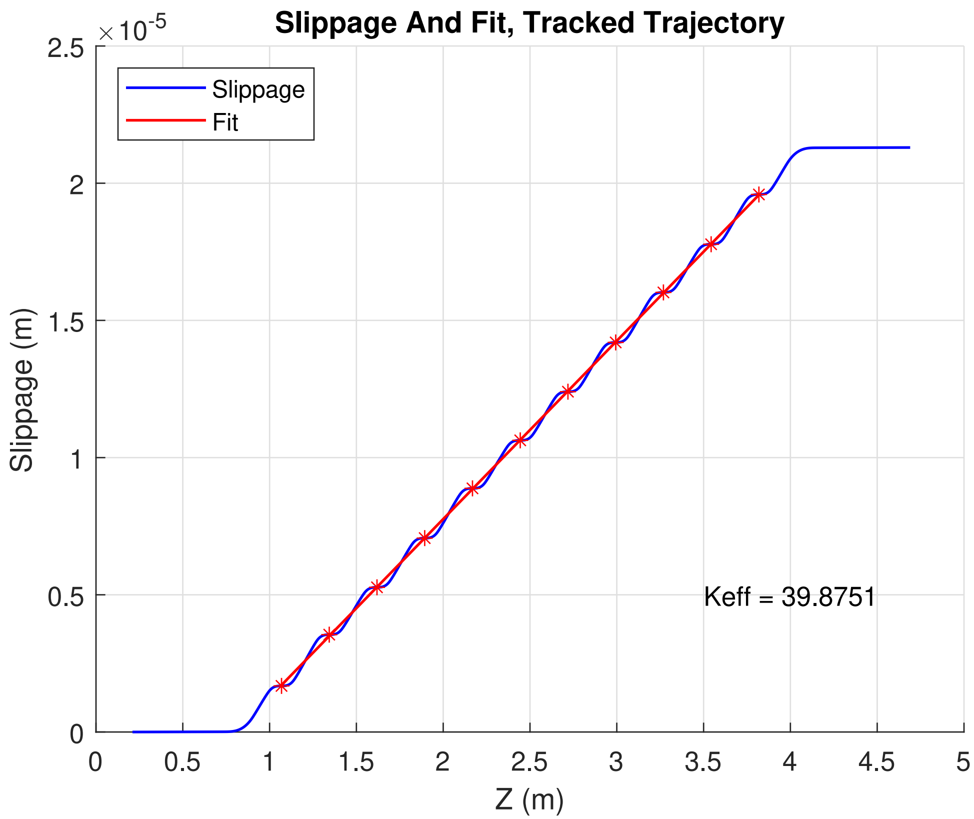

X Trajectory, Tracked Through Field
×10^-4
6
4
2
0
-2
-4
-6
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
X Trajectory (m)
Z (m)



Y Trajectory, Tracked Through Field
×10^-6
12
10
8
6
4
2
0
-2
-4
-6
-8
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 = 39.8751
Slippage (m)
Z (m)
2.5
2
1.5
1
0.5
0
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5