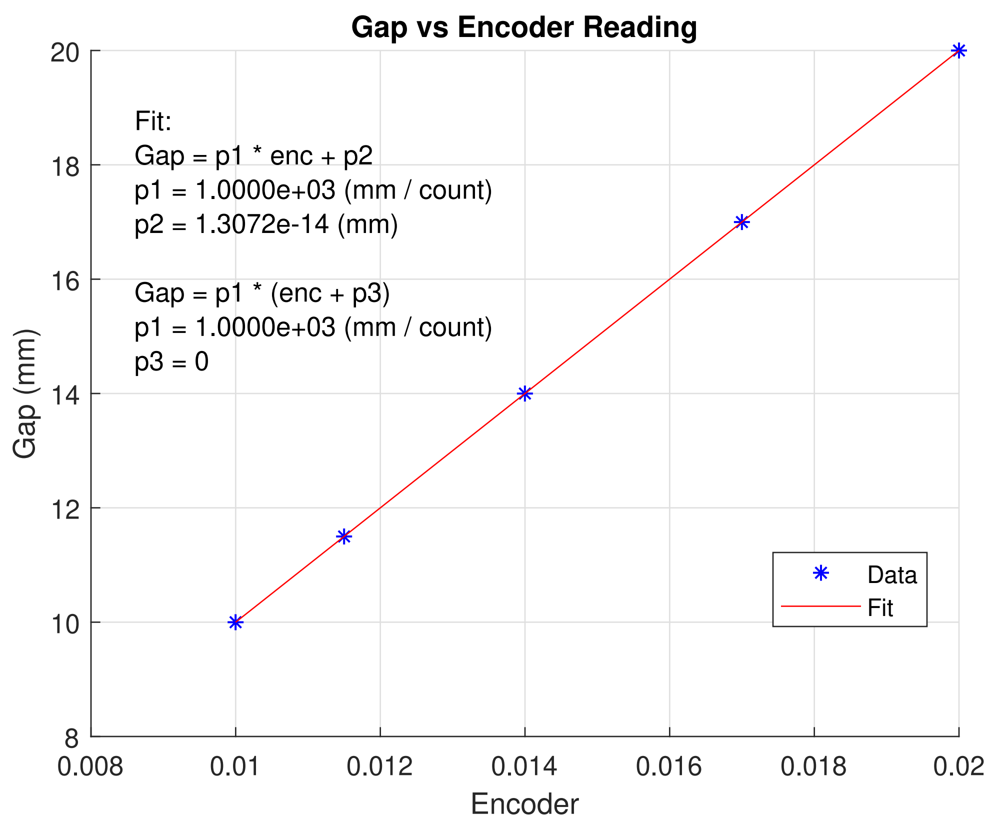
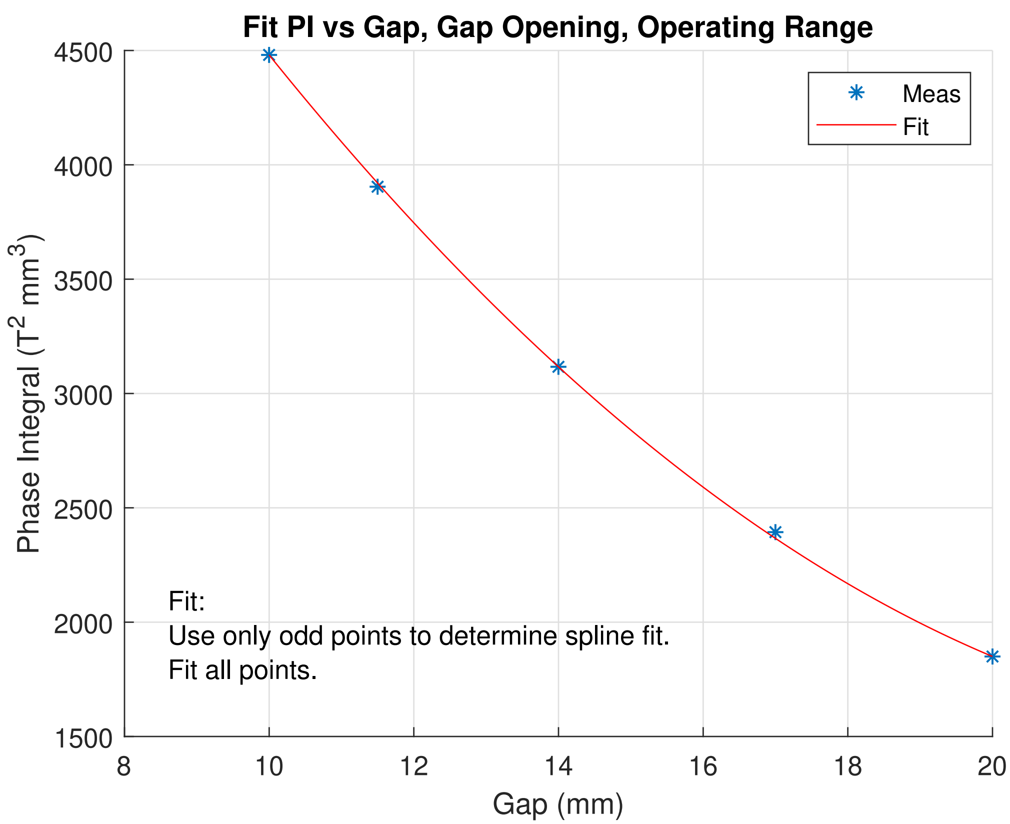
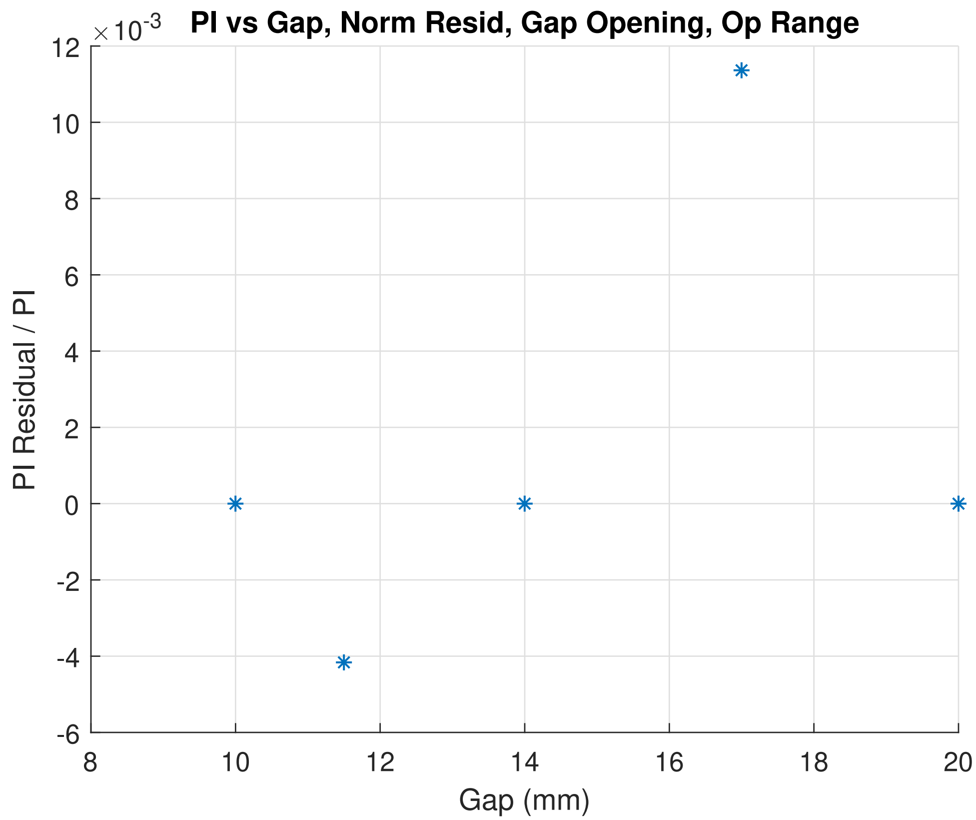
SLAC Magnetic Measurements#
Date: 09-27-2018#
Time: 17:17:09#


Gap vs Encoder Reading
Fit:
Gap = p1 * enc + p2
p1 = 1.0000e+03 (mm / count)
p2 = 1.3072e-14 (mm)
Gap = p1 * (enc + p3)
p1 = 1.0000e+03 (mm / count)
p3 = 0
Data
Fit
Gap (mm)
Encoder
20
18
16
14
12
10
8
0.008
0.01
0.012
0.014
0.016
0.018
0.02


Fit PI vs Gap, Gap Opening, Operating Range
Meas
Fit
Phase Integral (T^2 mm^3)
4500
4000
3500
3000
2500
2000
1500
8
10
12
14
16
18
20
Gap (mm)
Fit:
Use only odd points to determine spline fit.
Fit all points.



PI vs Gap, Norm Resid, Gap Opening, Op Range
×10^-3
12
10
8
6
4
2
0
-2
-4
-6
PI Residual / PI
8
10
12
14
16
18
20
Gap (mm)