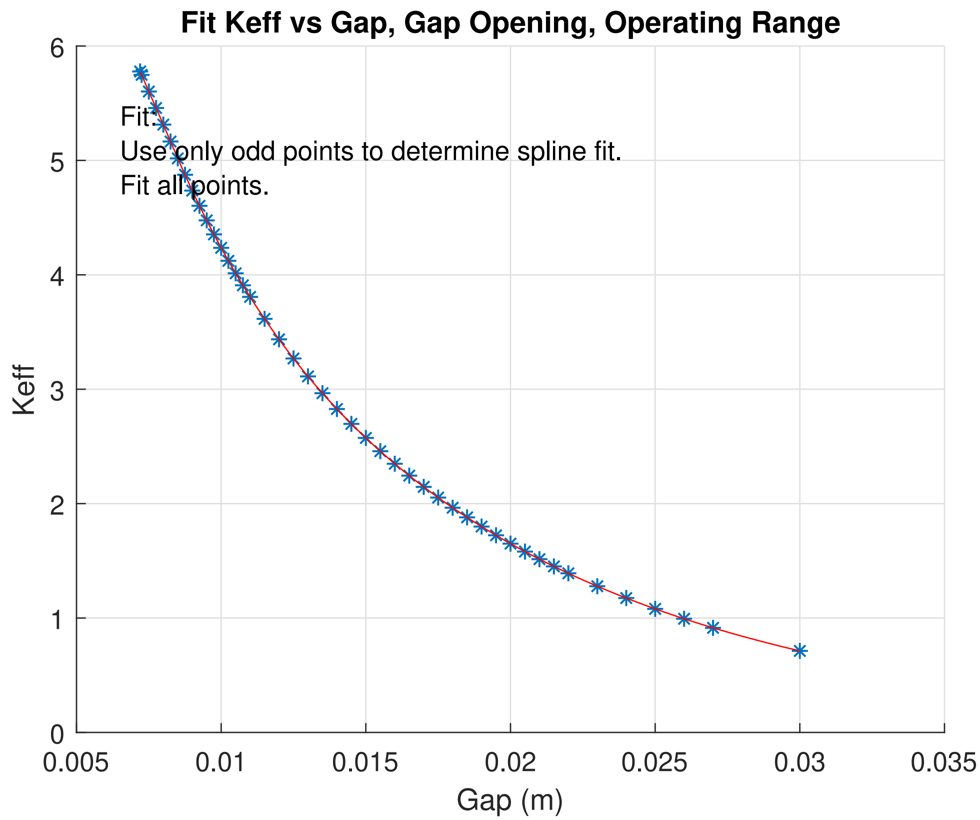
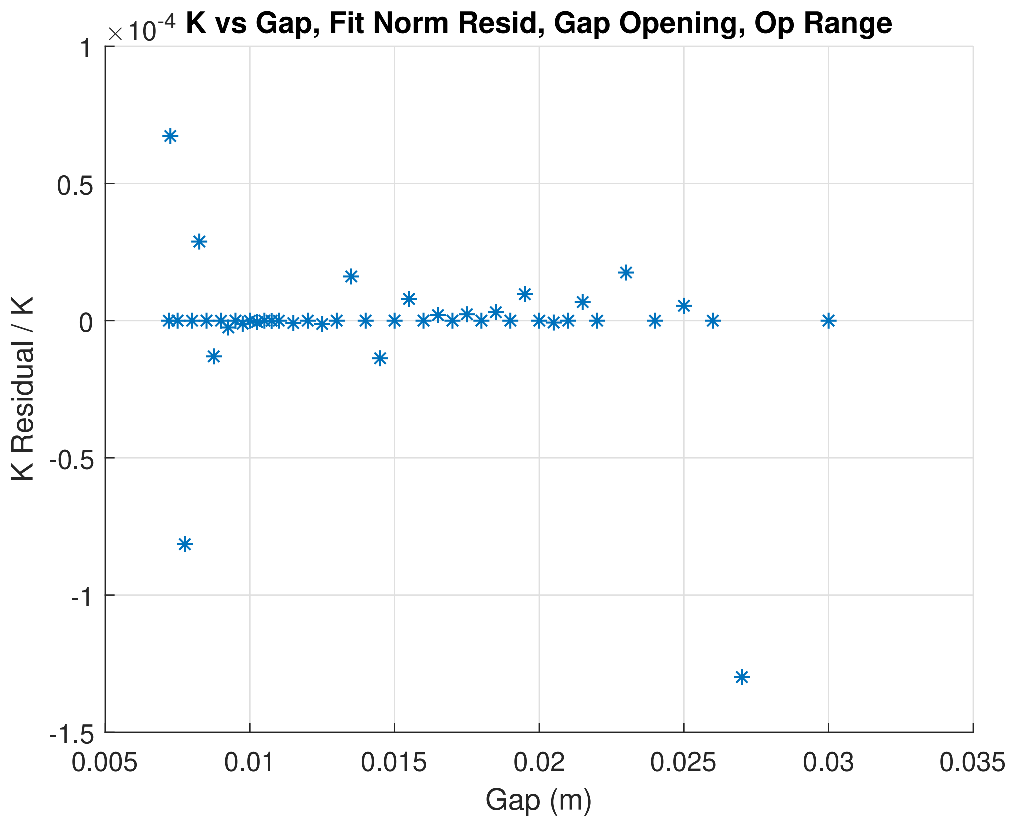
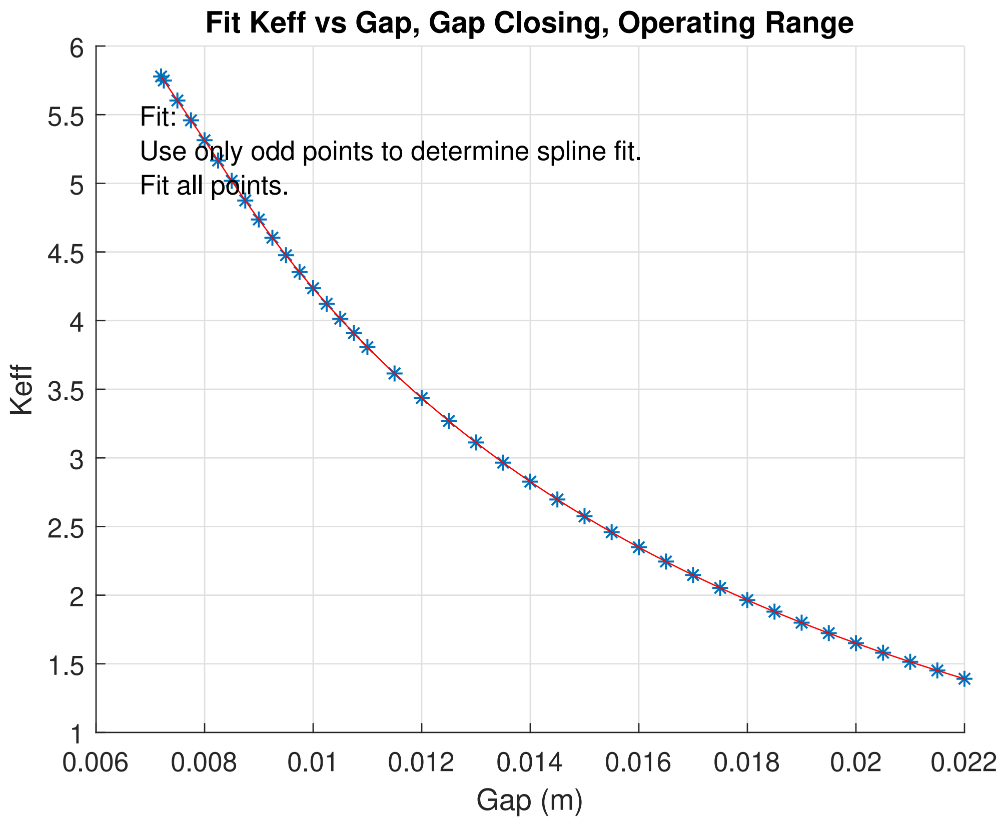
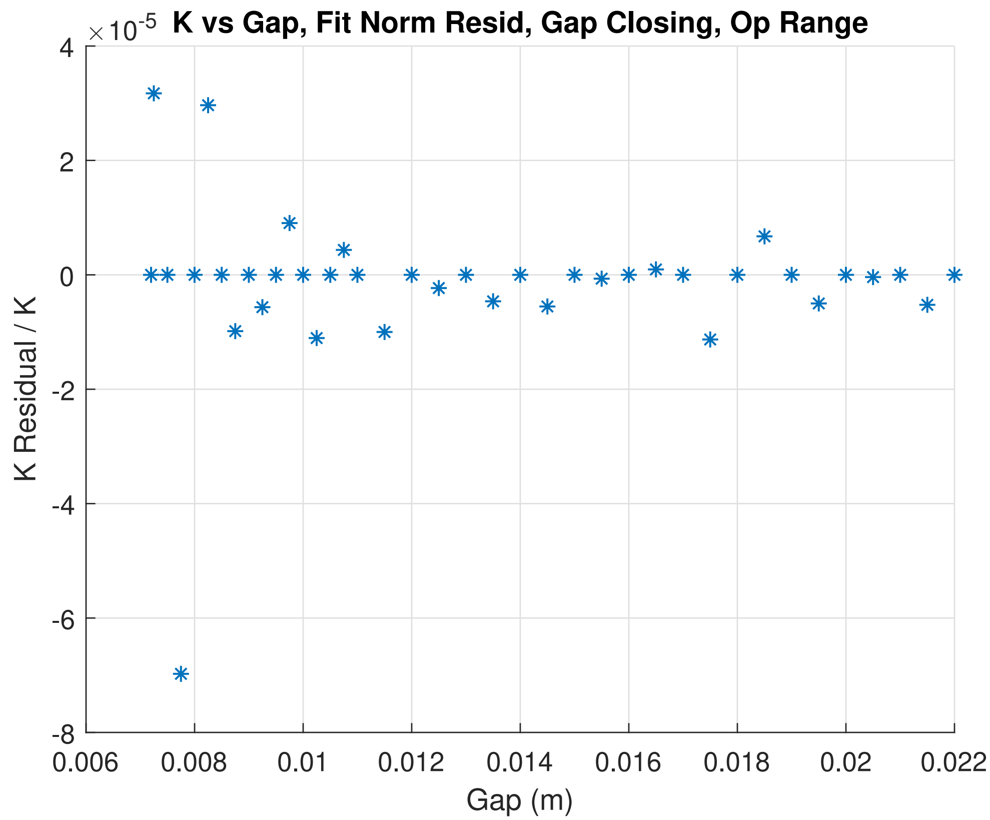
SLAC Magnetic Measurements#
Date: 06-03-2019#
Time: 18:11:10#

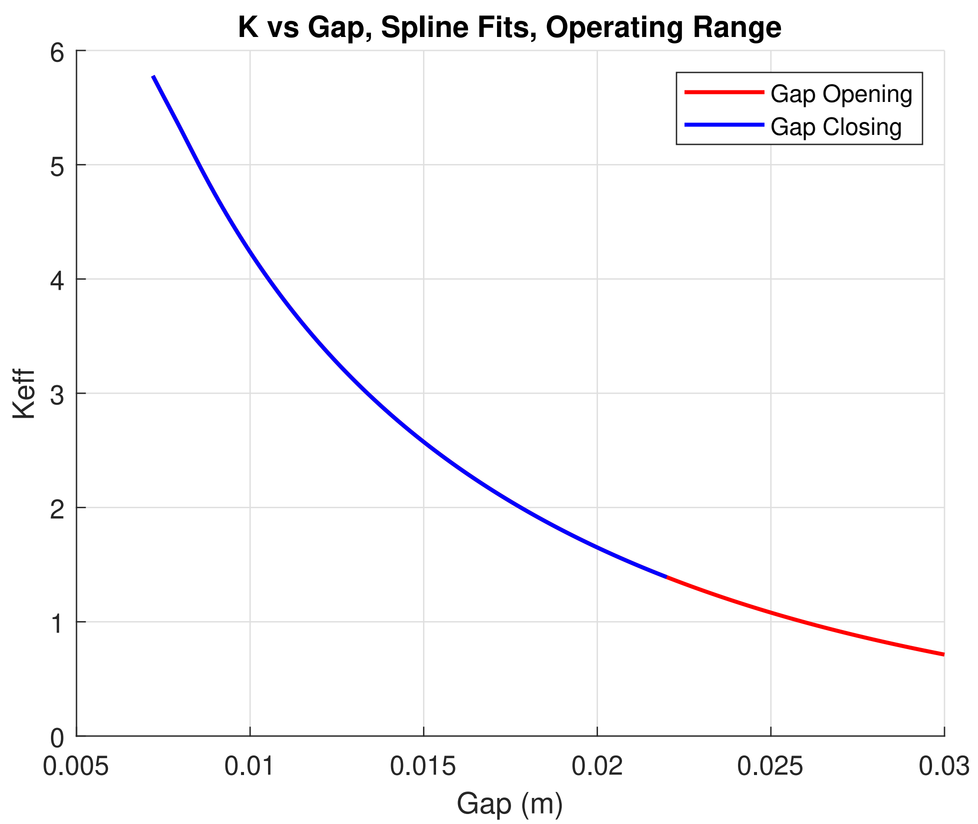

Fit Keff vs Gap, Gap Opening, Operating Range
Fit:
Use only odd points to determine spline fit.
Fit all points.
Keff
Gap (m)
0
1
2
3
4
5
6
0.005
0.01
0.015
0.02
0.025
0.03
0.035



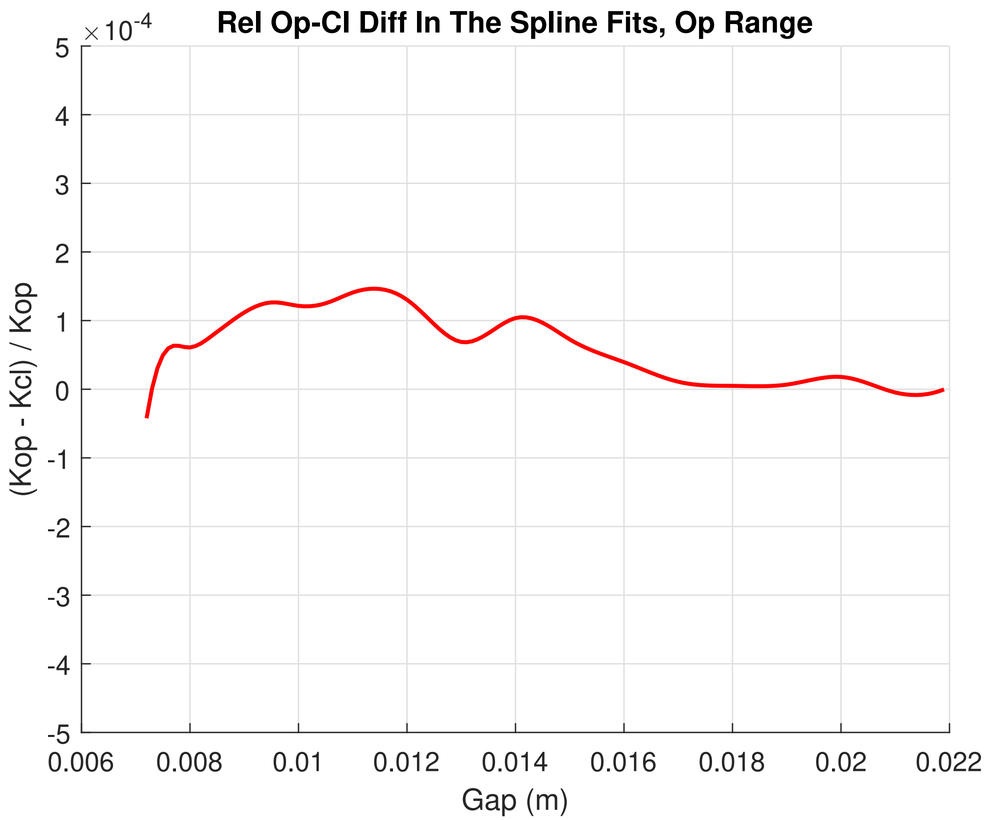
K vs Gap, Fit Norm Resid, Gap Opening, Op Range
×10^-4
1
0.5
0
-0.5
-1
-1.5
K Residual / K
0.005
0.01
0.015
0.02
0.025
0.03
0.035
Gap (m)

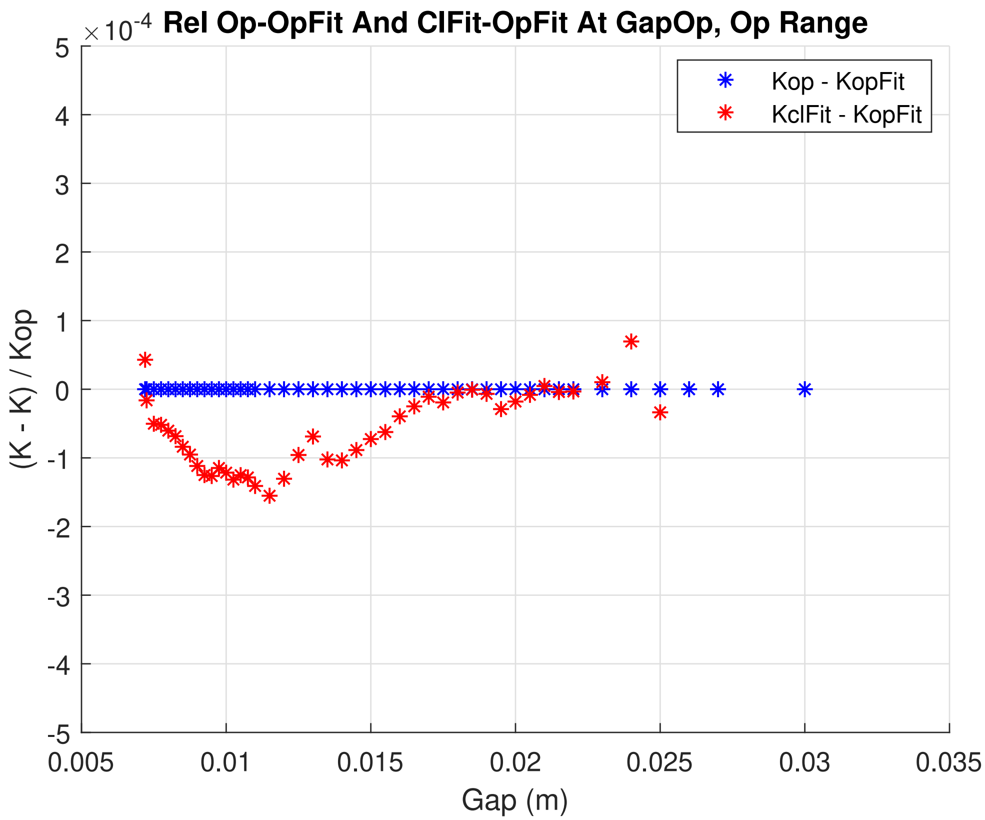

Fit Keff vs Gap, Gap Closing, Operating Range
Fit:
Use only odd points to determine spline fit.
Fit all points.
Keff
Gap (m)
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
0.006
0.008
0.01
0.012
0.014
0.016
0.018
0.02
0.022


K vs Gap, Fit Norm Resid, Gap Closing, Op Range
×10^-5
4
2
0
-2
-4
-6
-8
K Residual / K
0.006
0.008
0.01
0.012
0.014
0.016
0.018
0.02
0.022
Gap (m)



K vs Gap, Spline Fits, Operating Range
Keff
Gap (m)
Gap Opening
Gap Closing
0
1
2
3
4
5
6
0.005
0.01
0.015
0.02
0.025
0.03


Rel Op-Cl Diff In The Spline Fits, Op Range
×10^-4
5
4
3
2
1
0
-1
-2
-3
-4
-5
(Kop - Kcl) / Kop
0.006
0.008
0.01
0.012
0.014
0.016
0.018
0.02
0.022
Gap (m)



Rel Op-OpFit And ClFit-OpFit At GapOp, Op Range
×10^-4
Kop - KopFit
KclFit - KopFit
(K - K) / Kop
Gap (m)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0.005
0.01
0.015
0.02
0.025
0.03
0.035