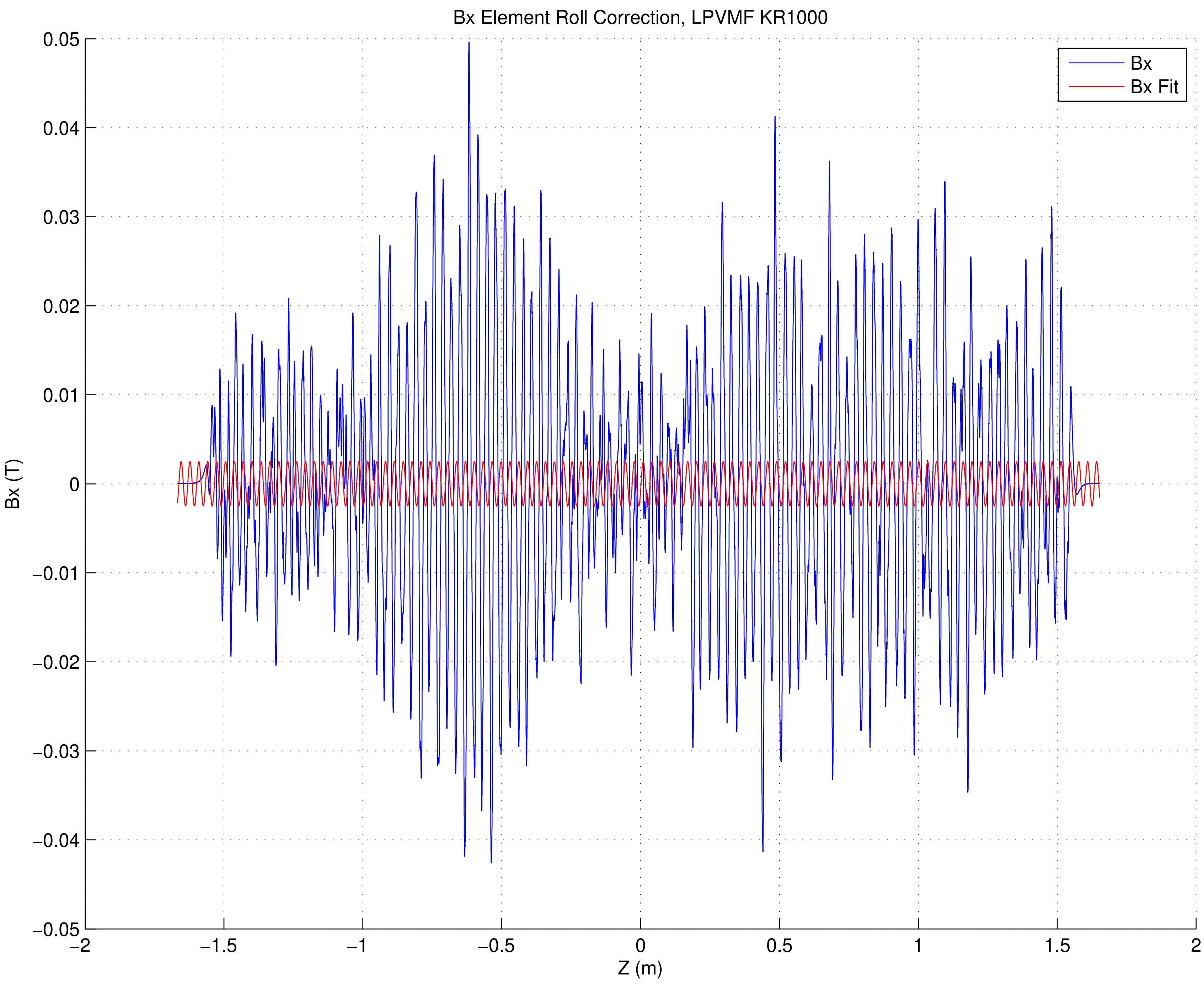
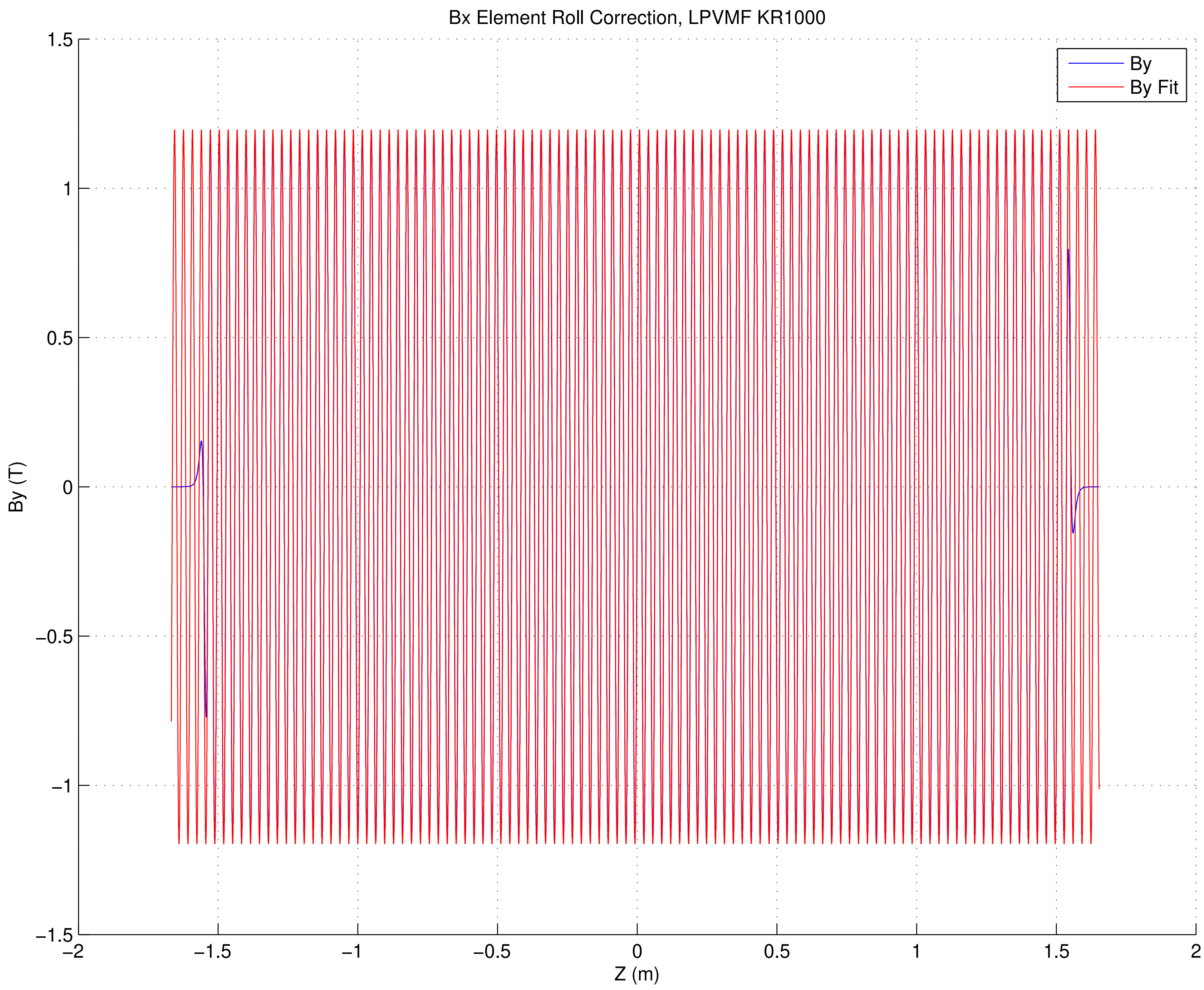
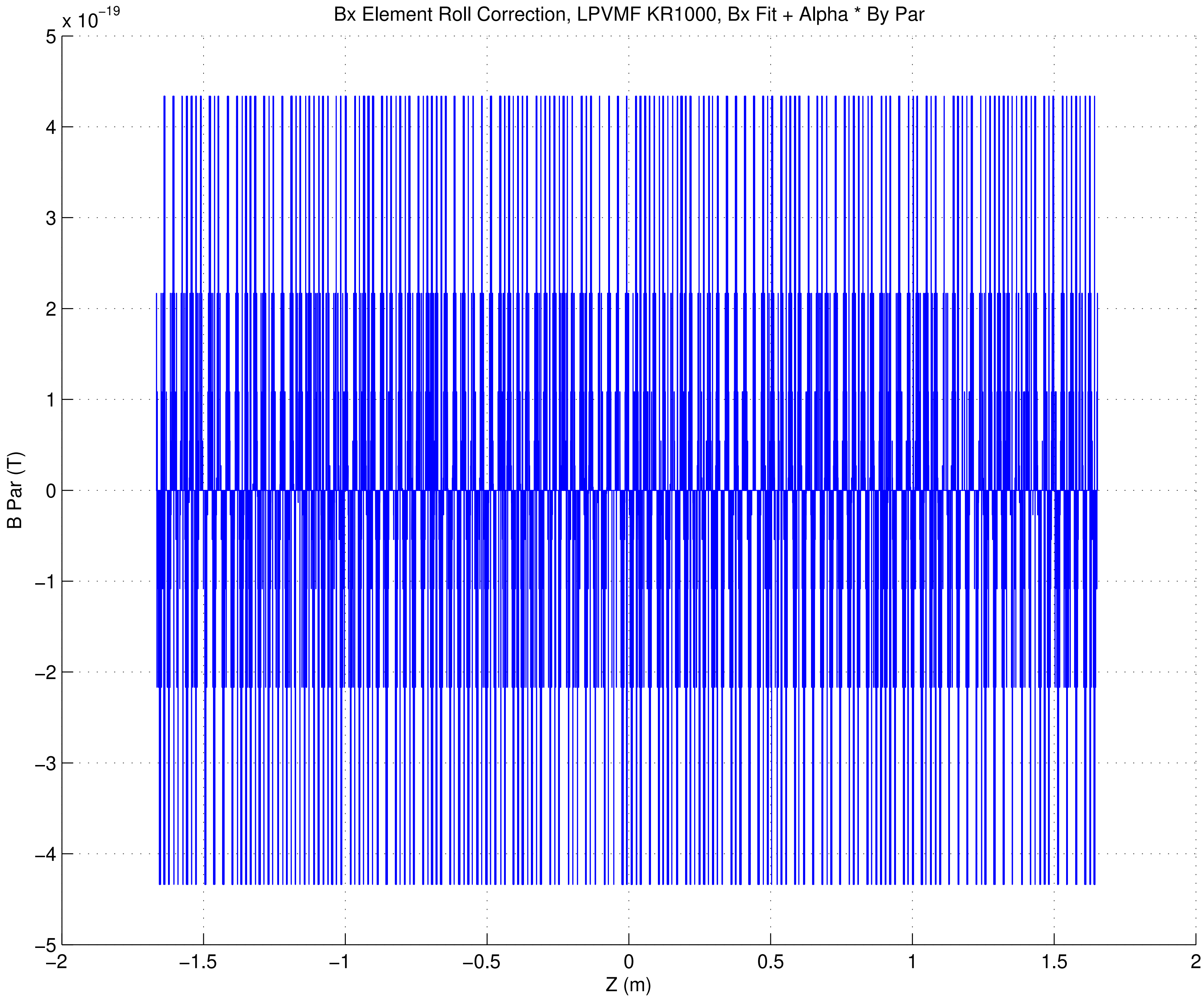
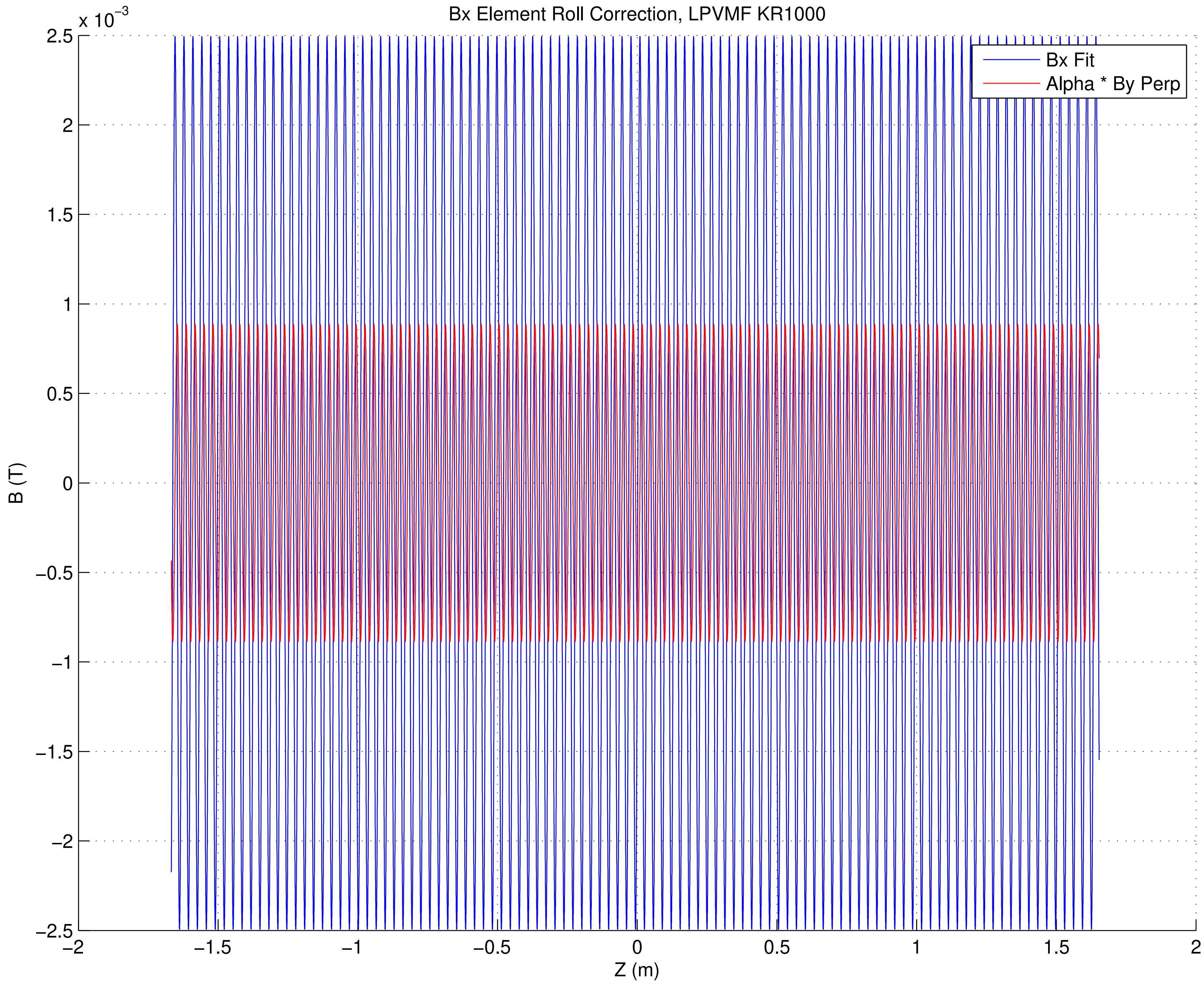
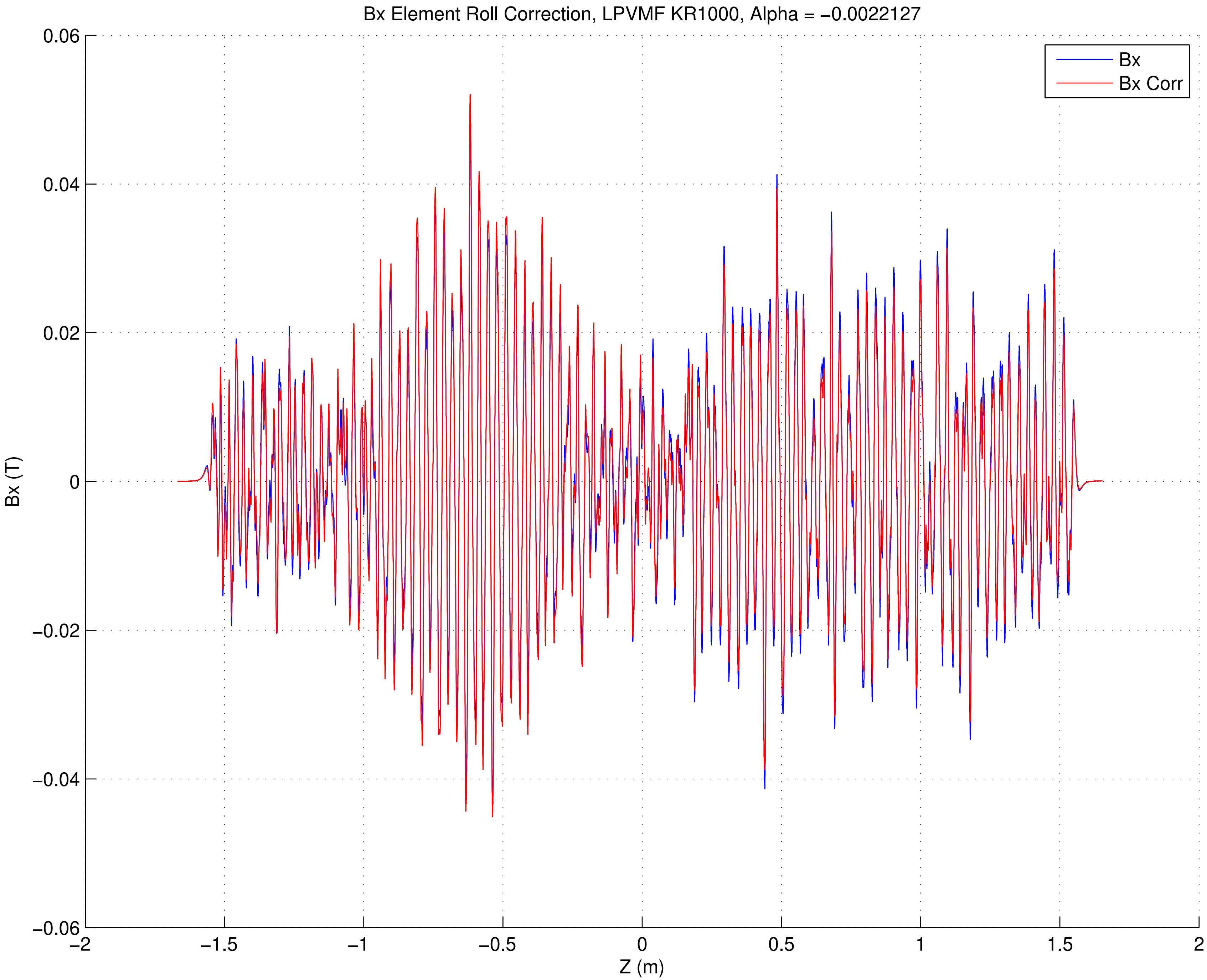
SLAC Magnetic Measurements
Date: 01–06–2015
Time: 15:49:14


Bx Element Roll Correction, LPVMF KR1000
Bx
Bx Fit
Bx (T)
Z (m)
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

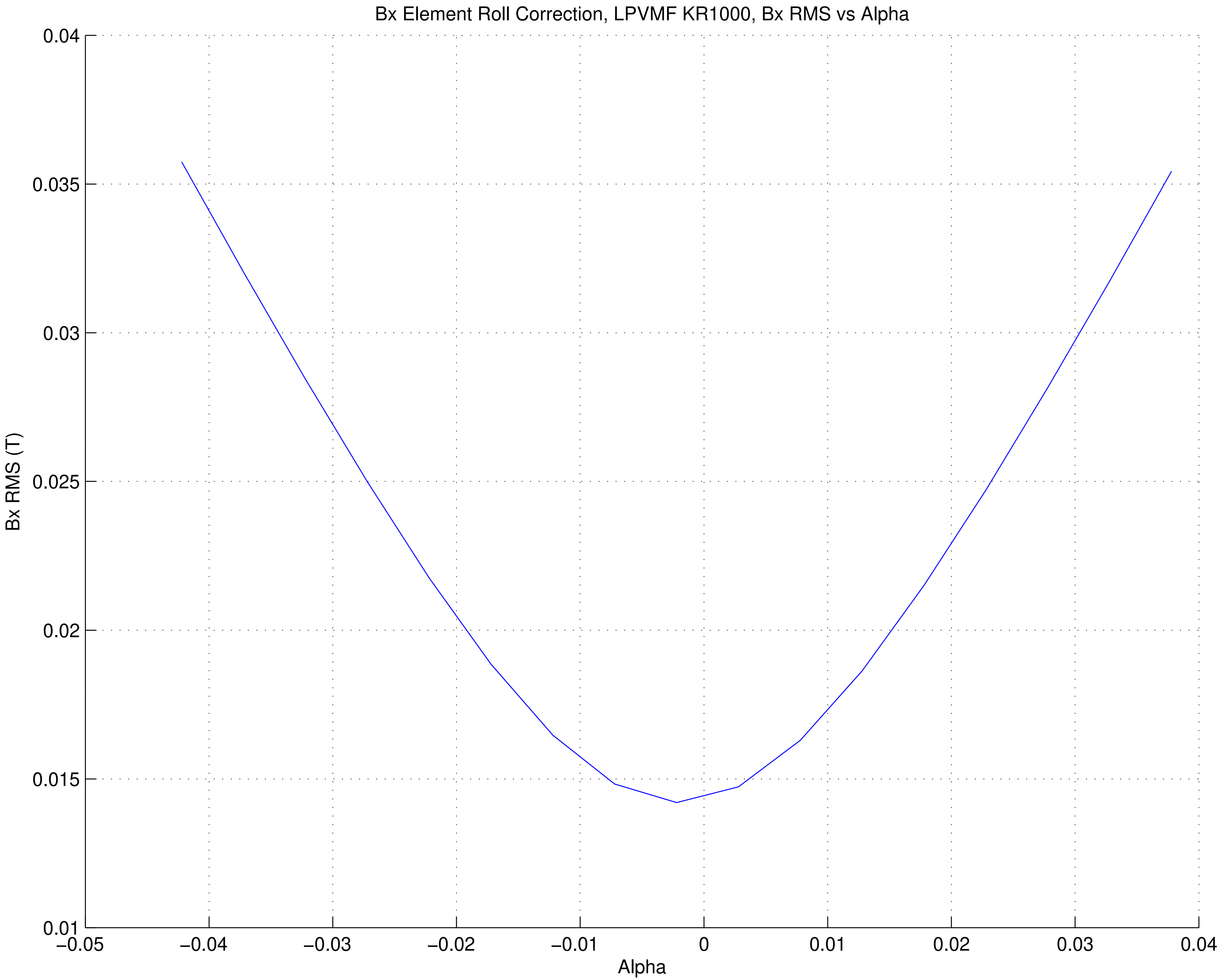

Bx Element Roll Correction, LPVMF KR1000
By
By Fit
By (T)
Z (m)
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

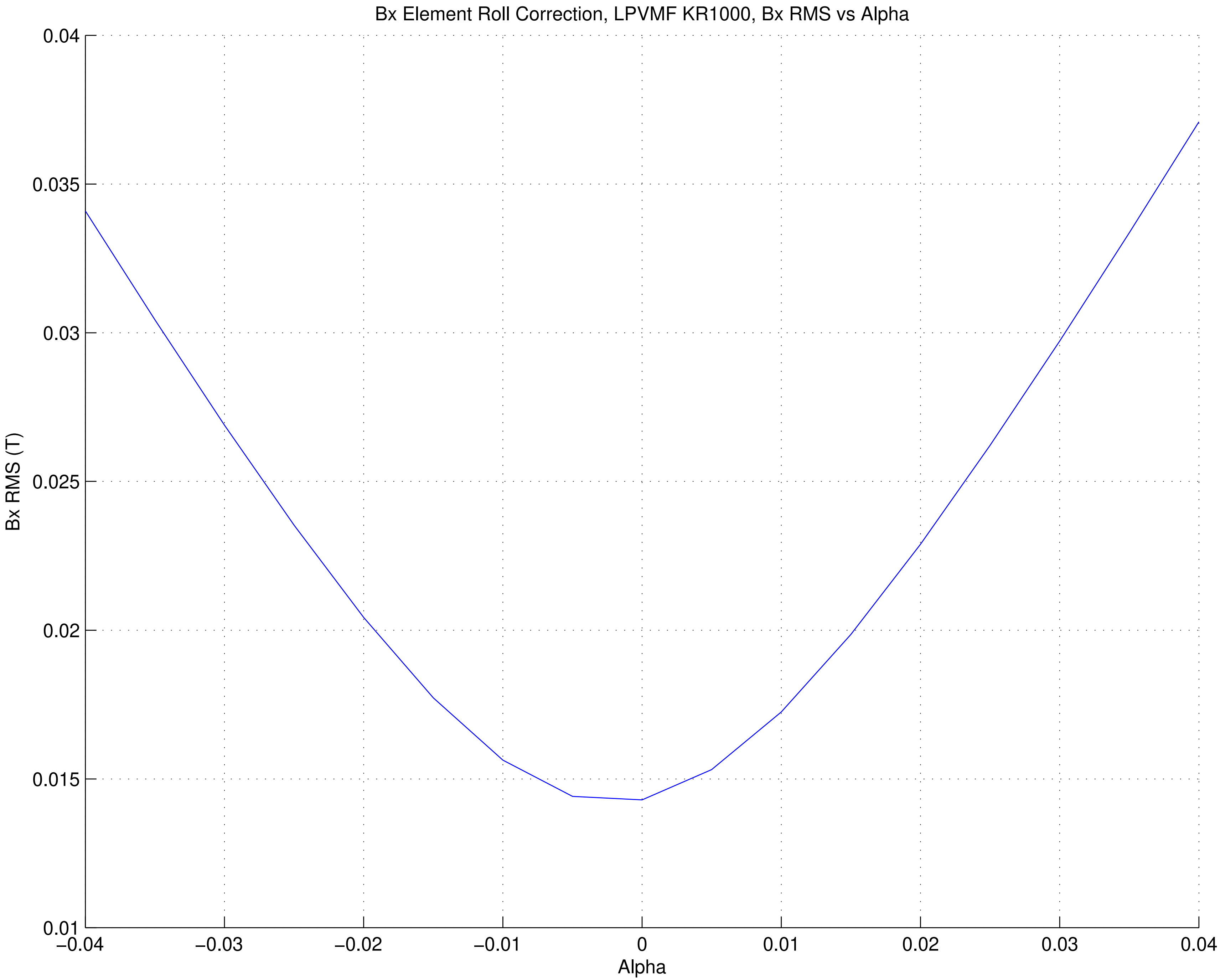

Bx Element Roll Correction, LPVMF KR1000, Bx Fit + Alpha * By Par
x 10^-19
5
4
3
2
1
0
−1
−2
−3
−4
−5
B Par (T)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
Z (m)

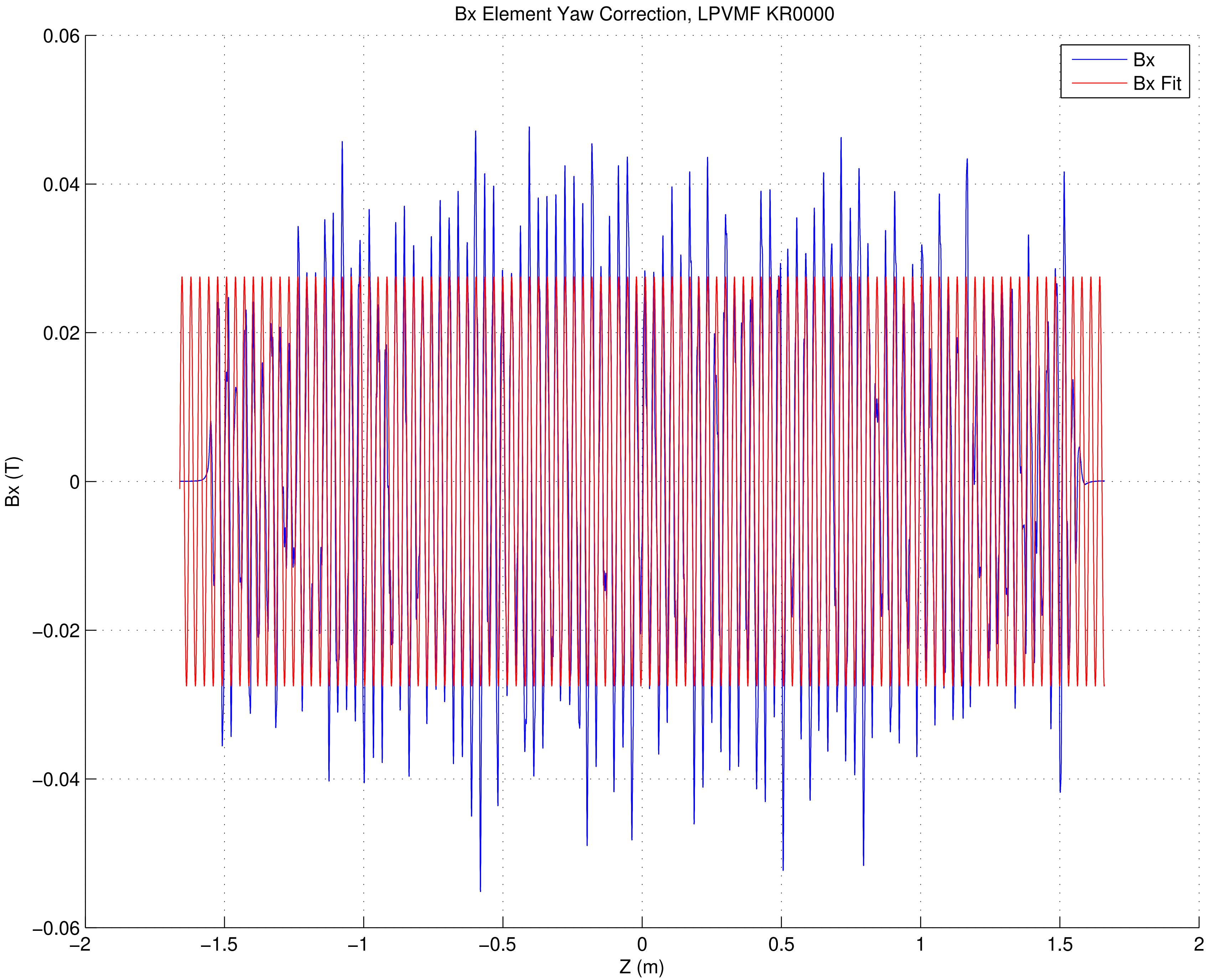

Bx Element Roll Correction, LPVMF KR1000
x 10^-3
Bx Fit
Alpha * By Perp
B (T)
Z (m)
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

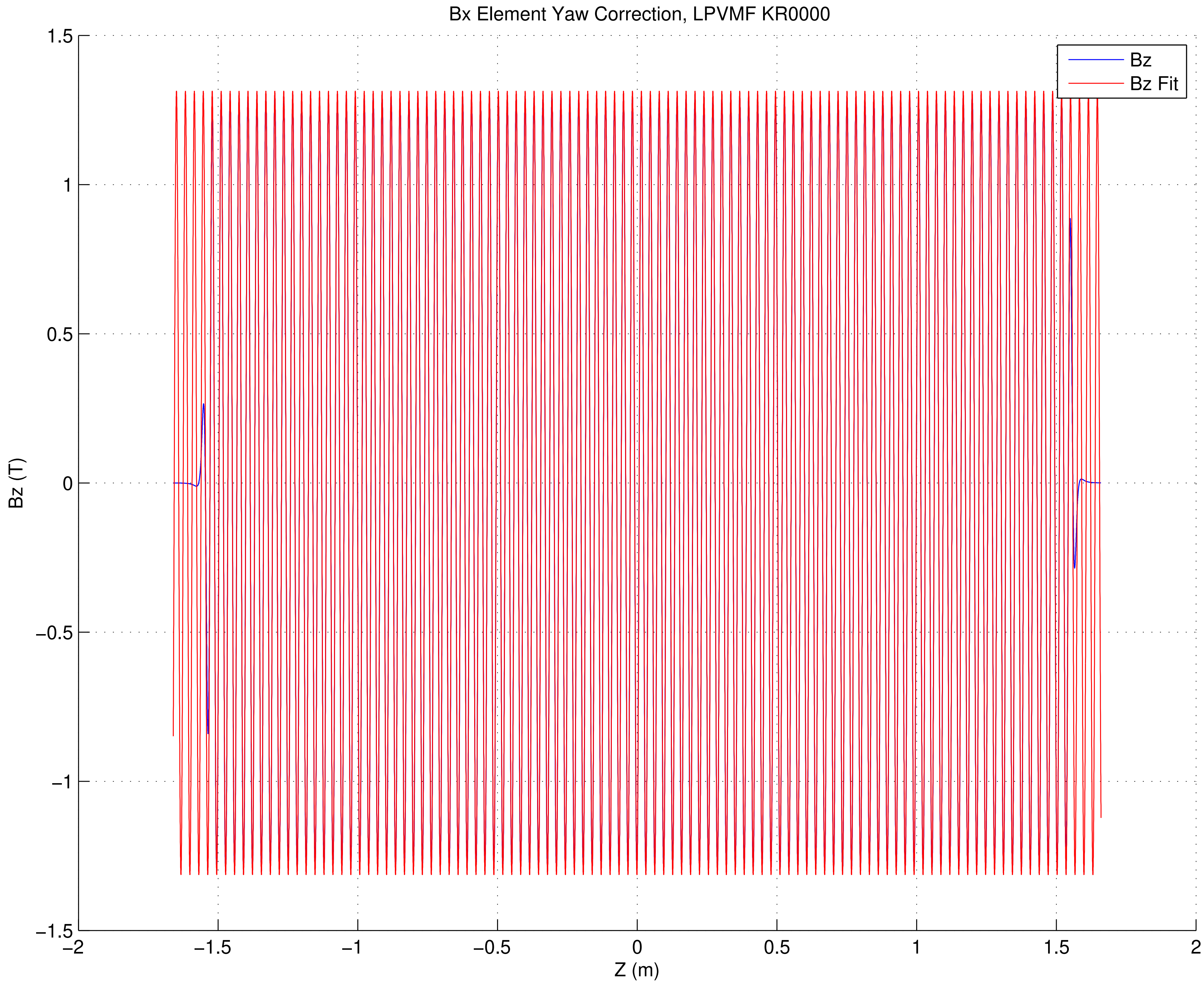


Bx Element Roll Correction, LPVMF KR1000, Alpha = −0.0022127
Bx
Bx Corr
Bx (T)
Z (m)
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

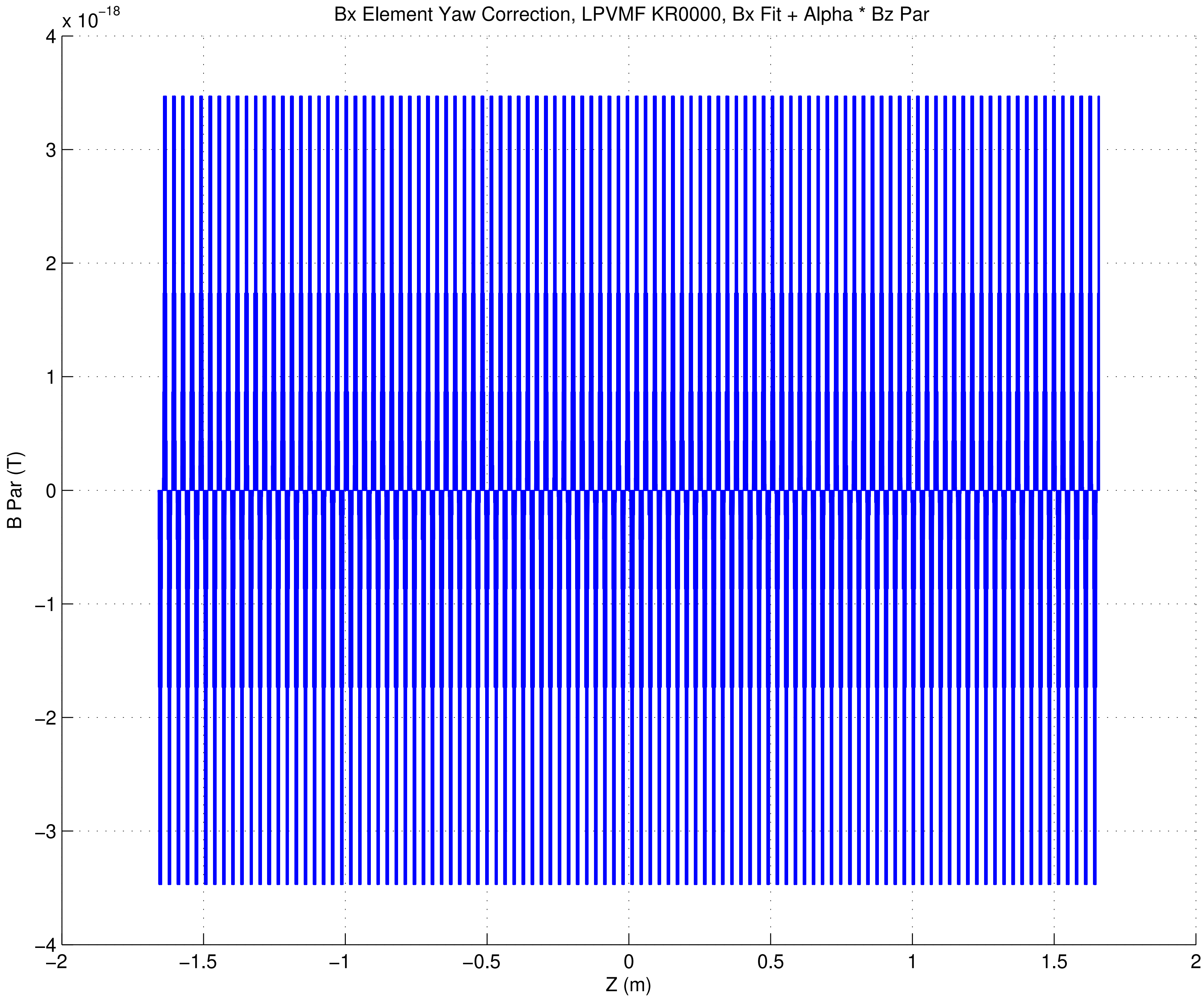

Bx Element Roll Correction, LPVMF KR1000, Bx RMS vs Alpha
Bx RMS (T)
0.04
0.035
0.03
0.025
0.02
0.015
0.01
−0.05
−0.04
−0.03
−0.02
−0.01
0
0.01
0.02
0.03
0.04
Alpha


Bx Element Roll Correction, LPVMF KR1000, Bx RMS vs Alpha
Bx RMS (T)
0.04
0.035
0.03
0.025
0.02
0.015
0.01
−0.04
−0.03
−0.02
−0.01
0
0.01
0.02
0.03
0.04
Alpha

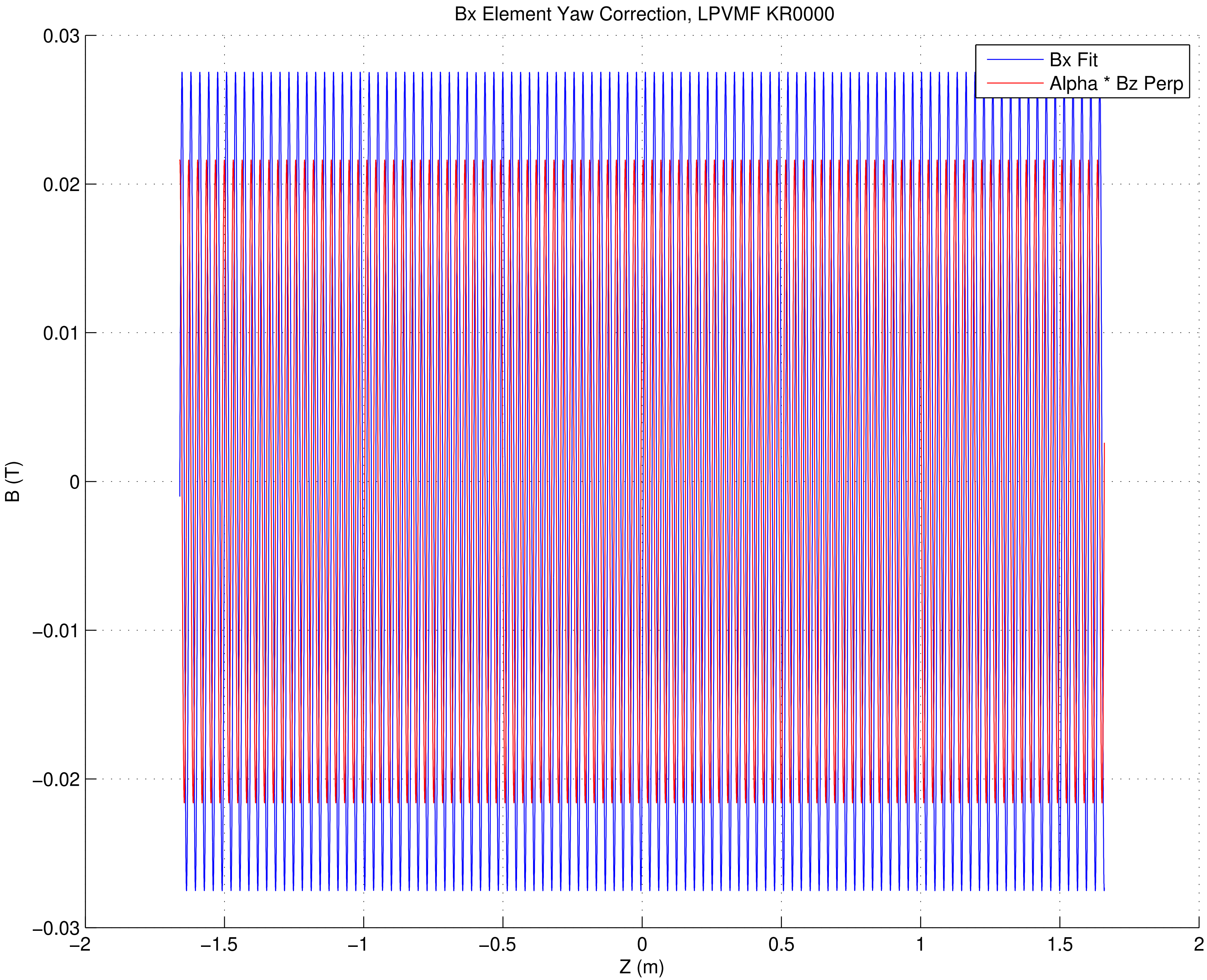

Bx Element Yaw Correction, LPVMF KR0000
Bx
Bx Fit
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
Bx (T)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
Z (m)

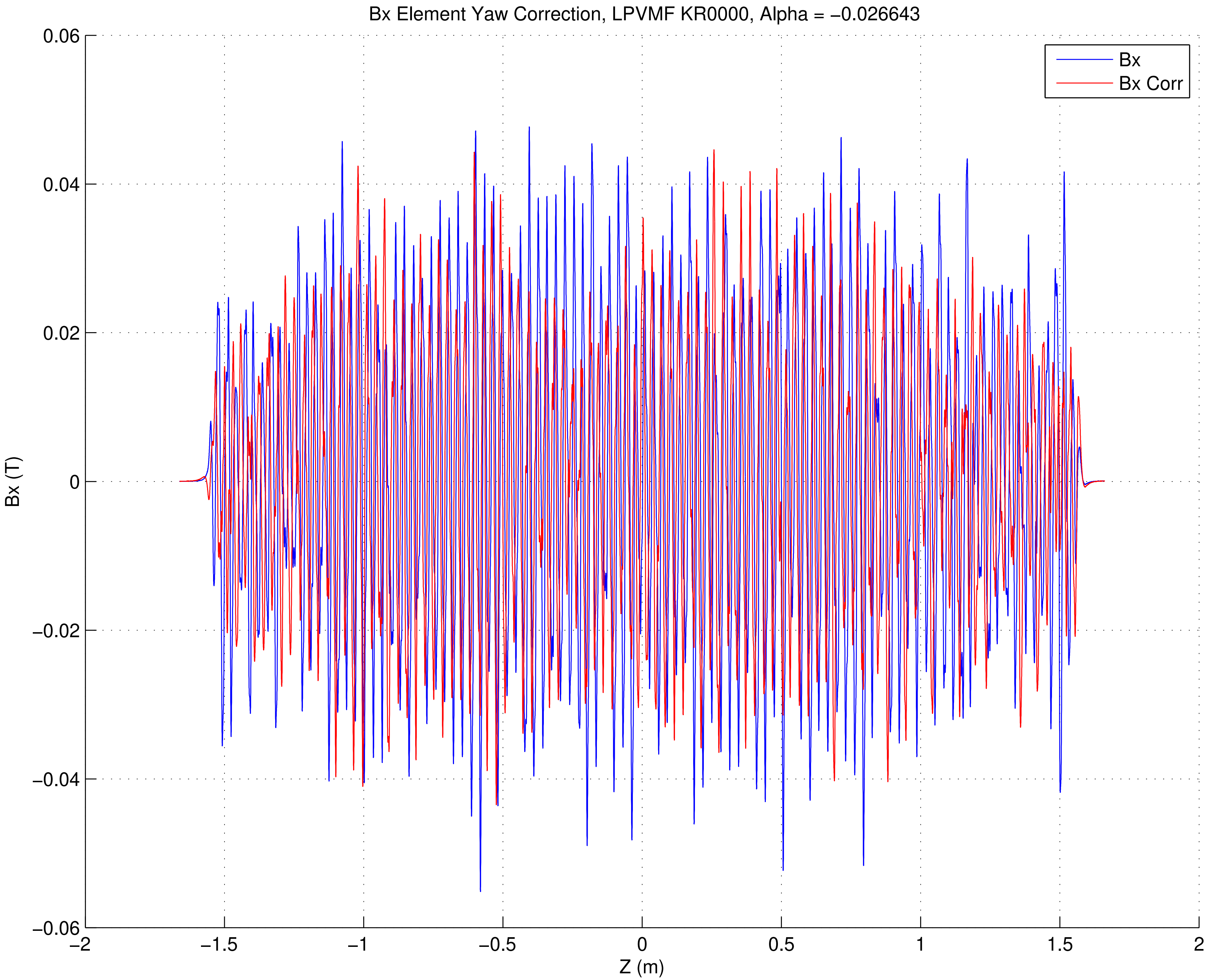


Bx Element Yaw Correction, LPVMF KR0000
Bz
Bz Fit
Bz (T)
Z (m)
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

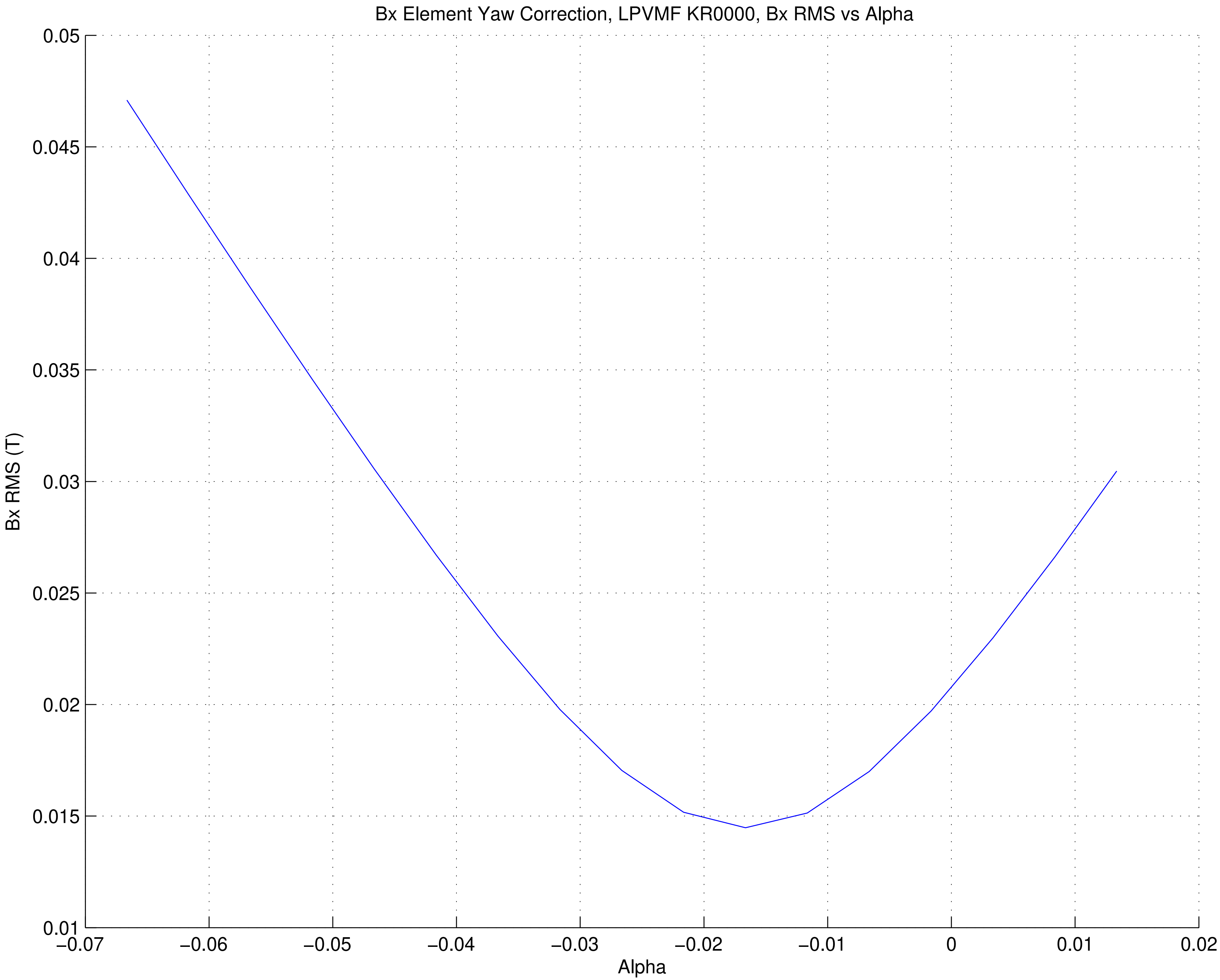


Bx Element Yaw Correction, LPVMF KR0000, Bx Fit + Alpha * Bz Par
x 10^-18
4
3
2
1
0
−1
−2
−3
−4
B Par (T)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
Z (m)

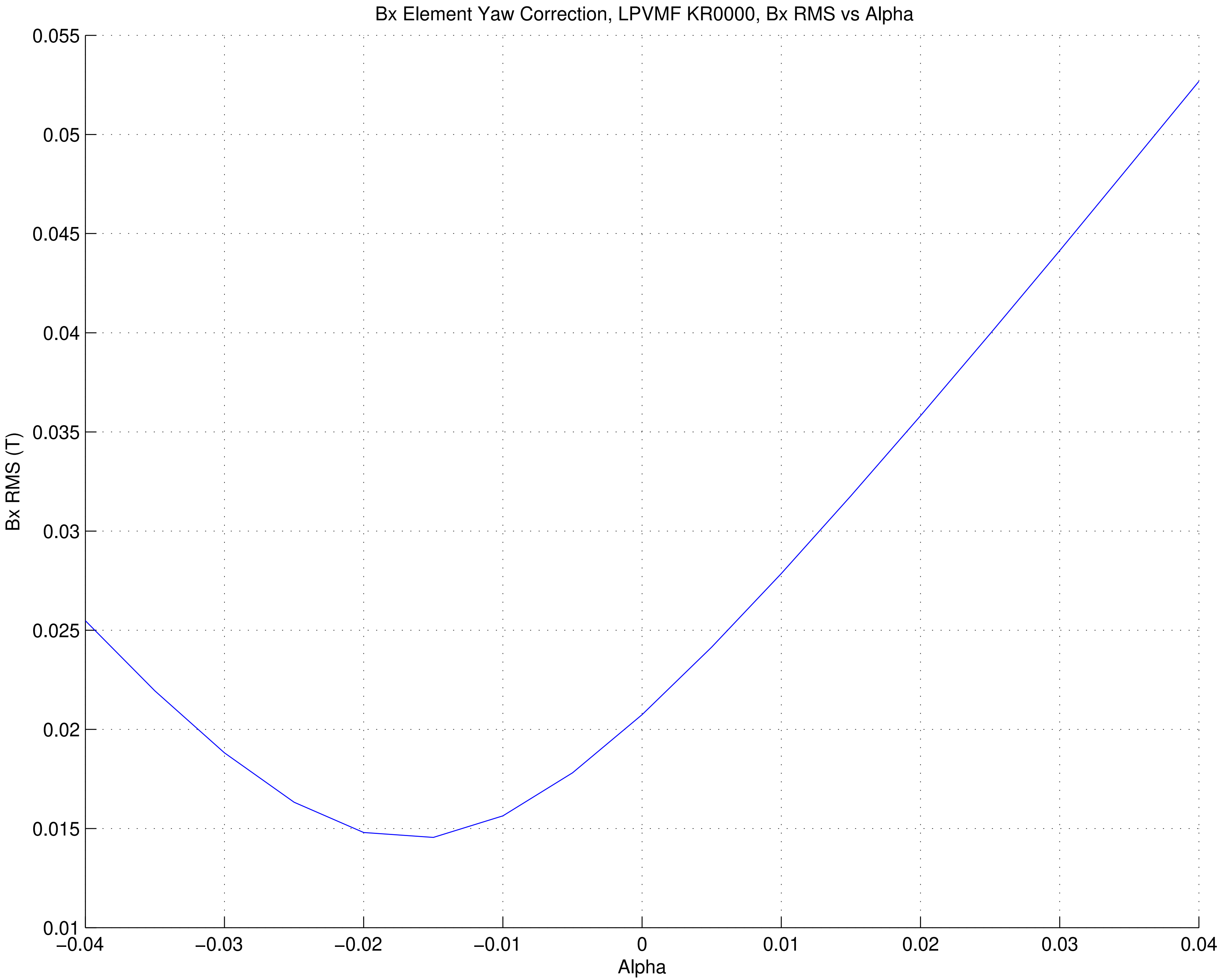

Bx Element Yaw Correction, LPVMF KR0000
Bx Fit
Alpha * Bz Perp
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
B (T)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
Z (m)



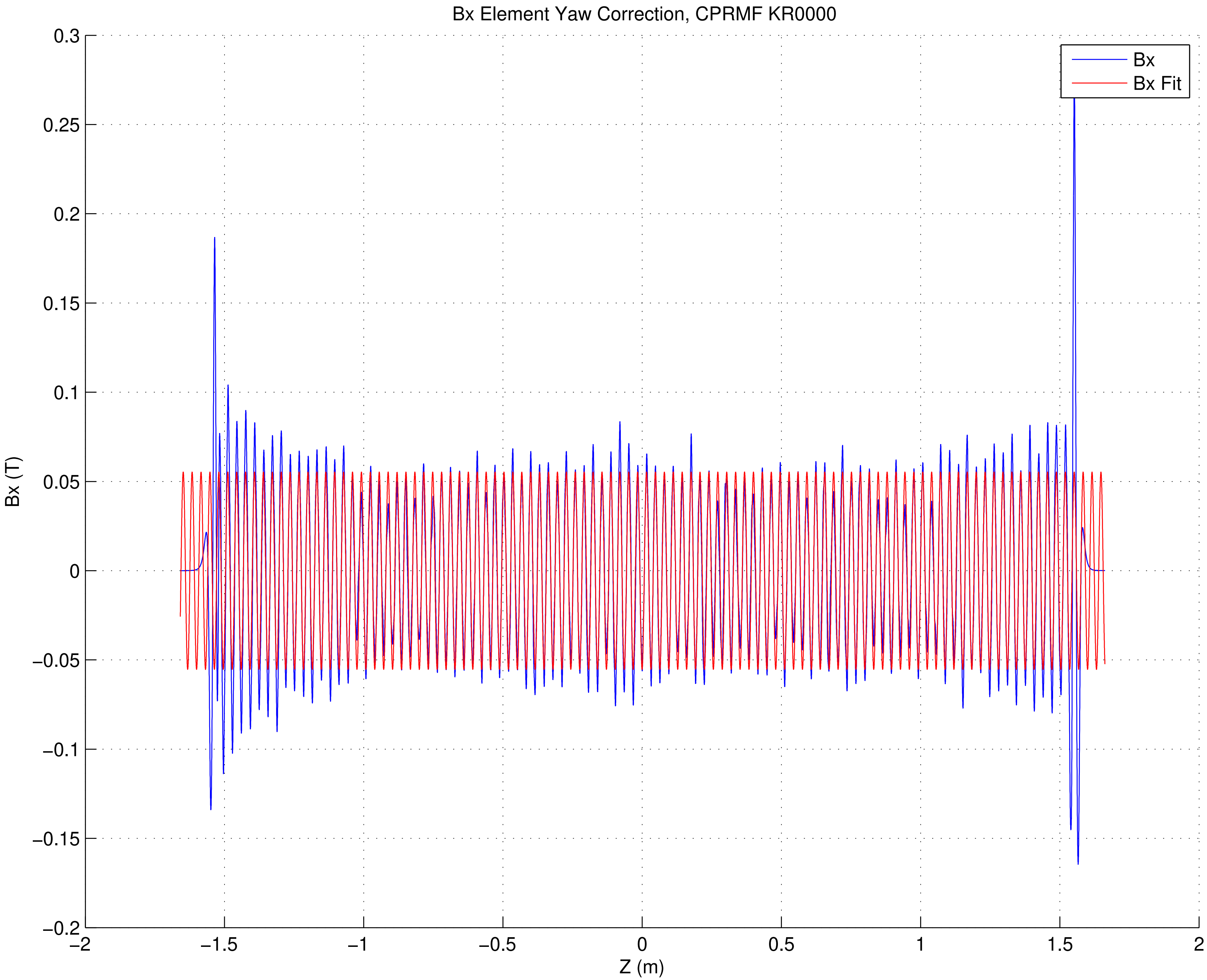
Bx Element Yaw Correction, LPVMF KR0000, Alpha = −0.026643
Bx
Bx Corr
Bx (T)
Z (m)
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

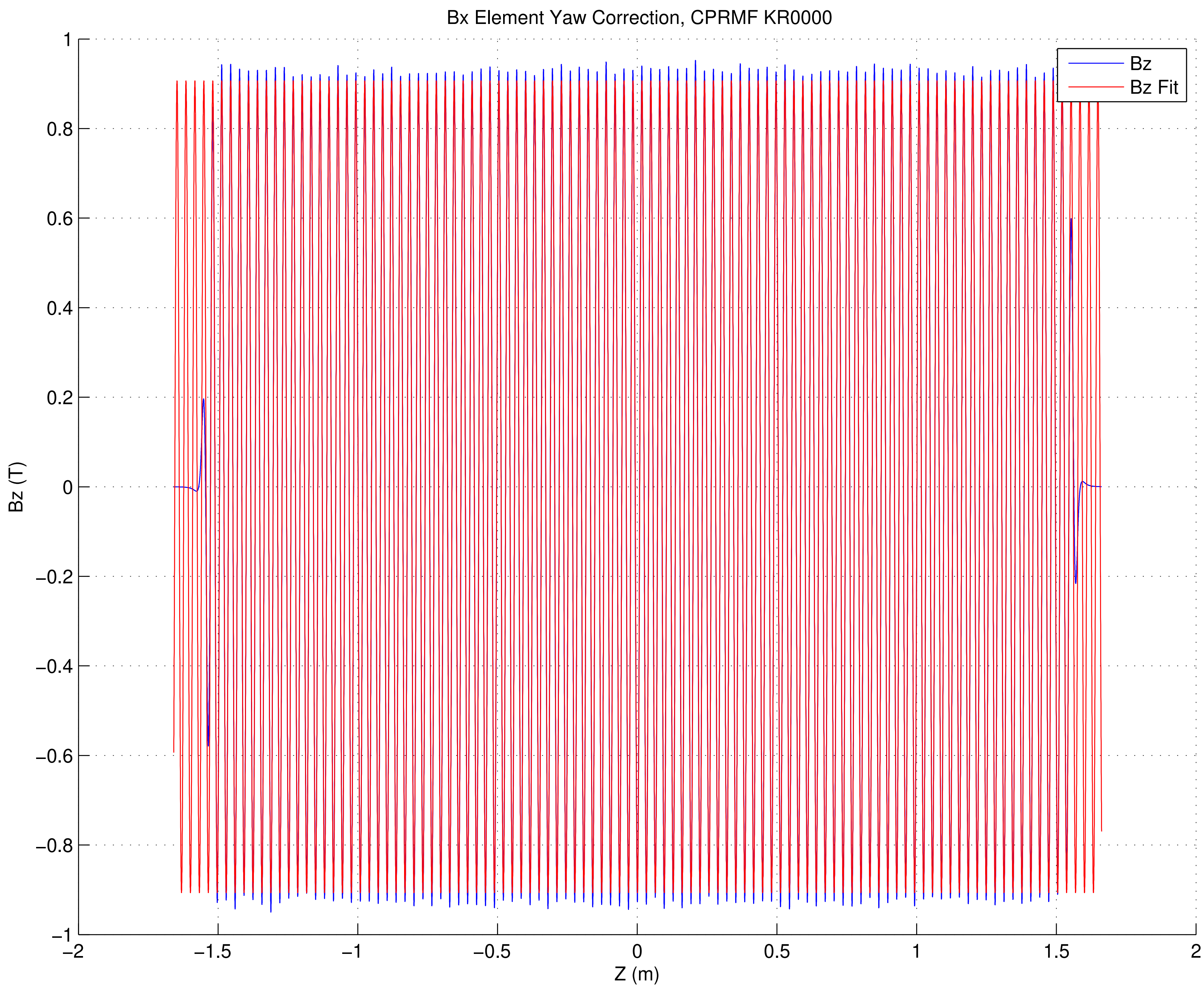


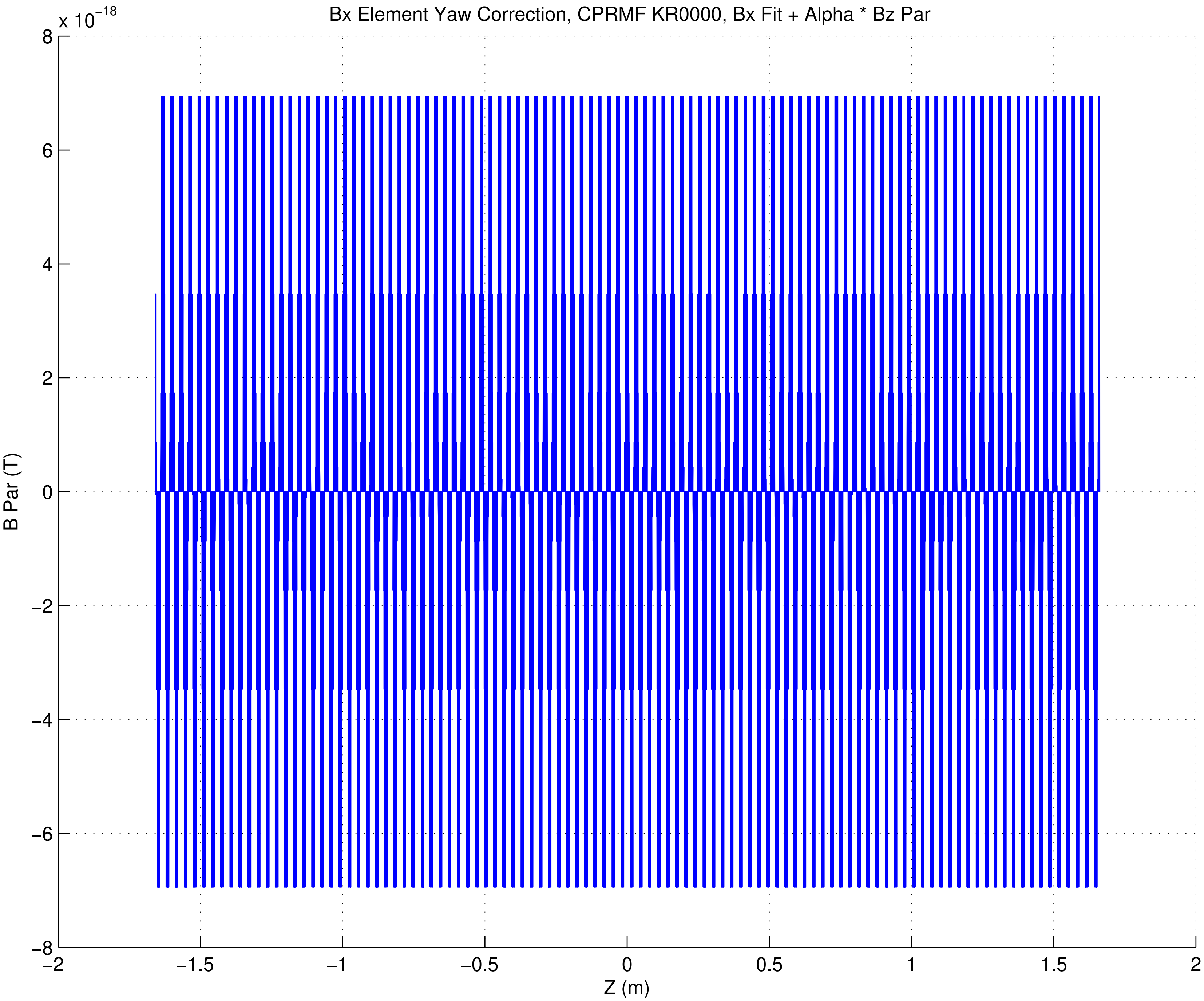
Bx Element Yaw Correction, LPVMF KR0000, Bx RMS vs Alpha
Bx RMS (T)
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
−0.07
−0.06
−0.05
−0.04
−0.03
−0.02
−0.01
0
0.01
0.02
Alpha



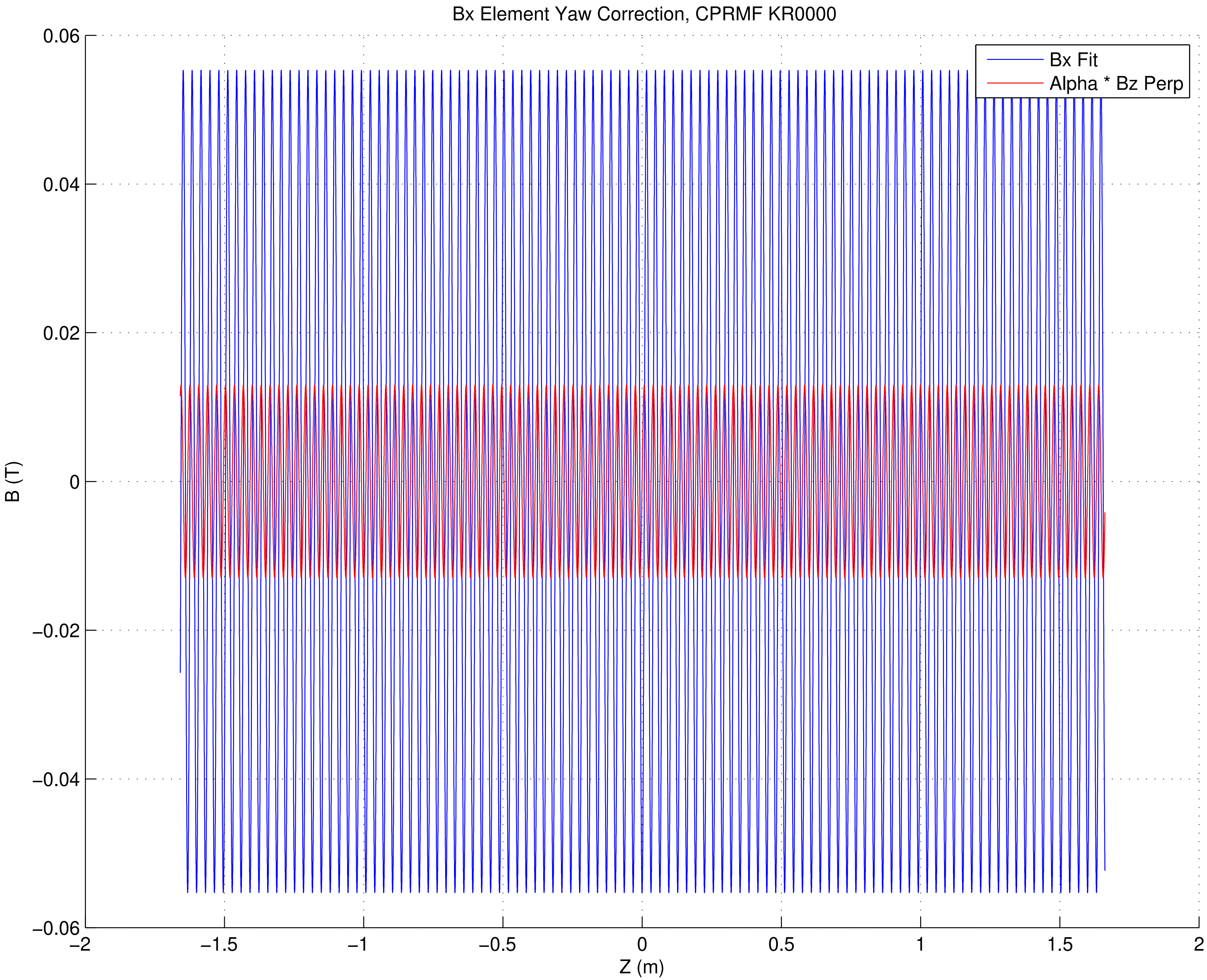
Bx Element Yaw Correction, LPVMF KR0000, Bx RMS vs Alpha
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
Bx RMS (T)
−0.04
−0.03
−0.02
−0.01
0
0.01
0.02
0.03
0.04
Alpha

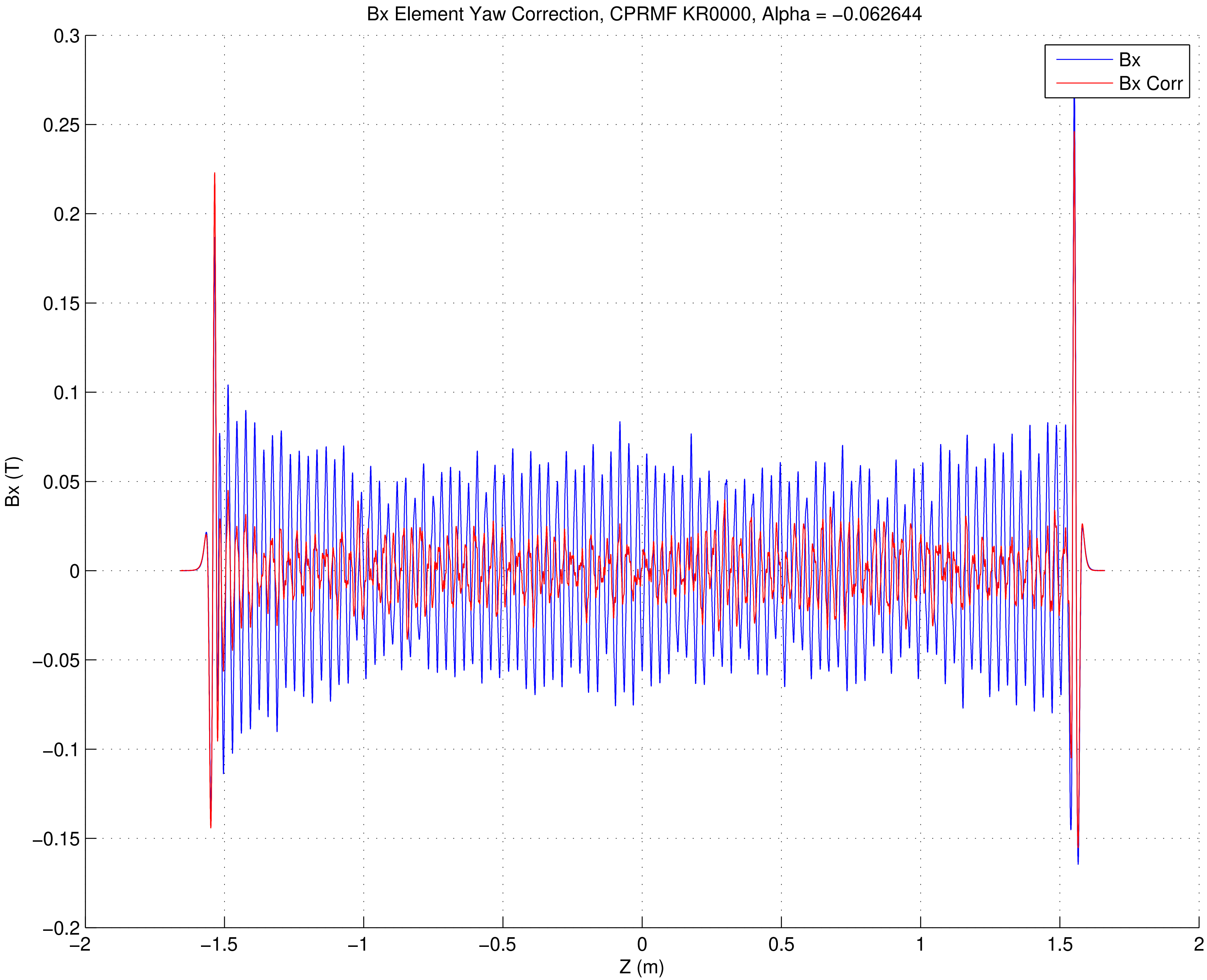

Bx Element Yaw Correction, CPRMF KR0000
Bx
Bx Fit
Bx (T)
Z (m)
0.3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

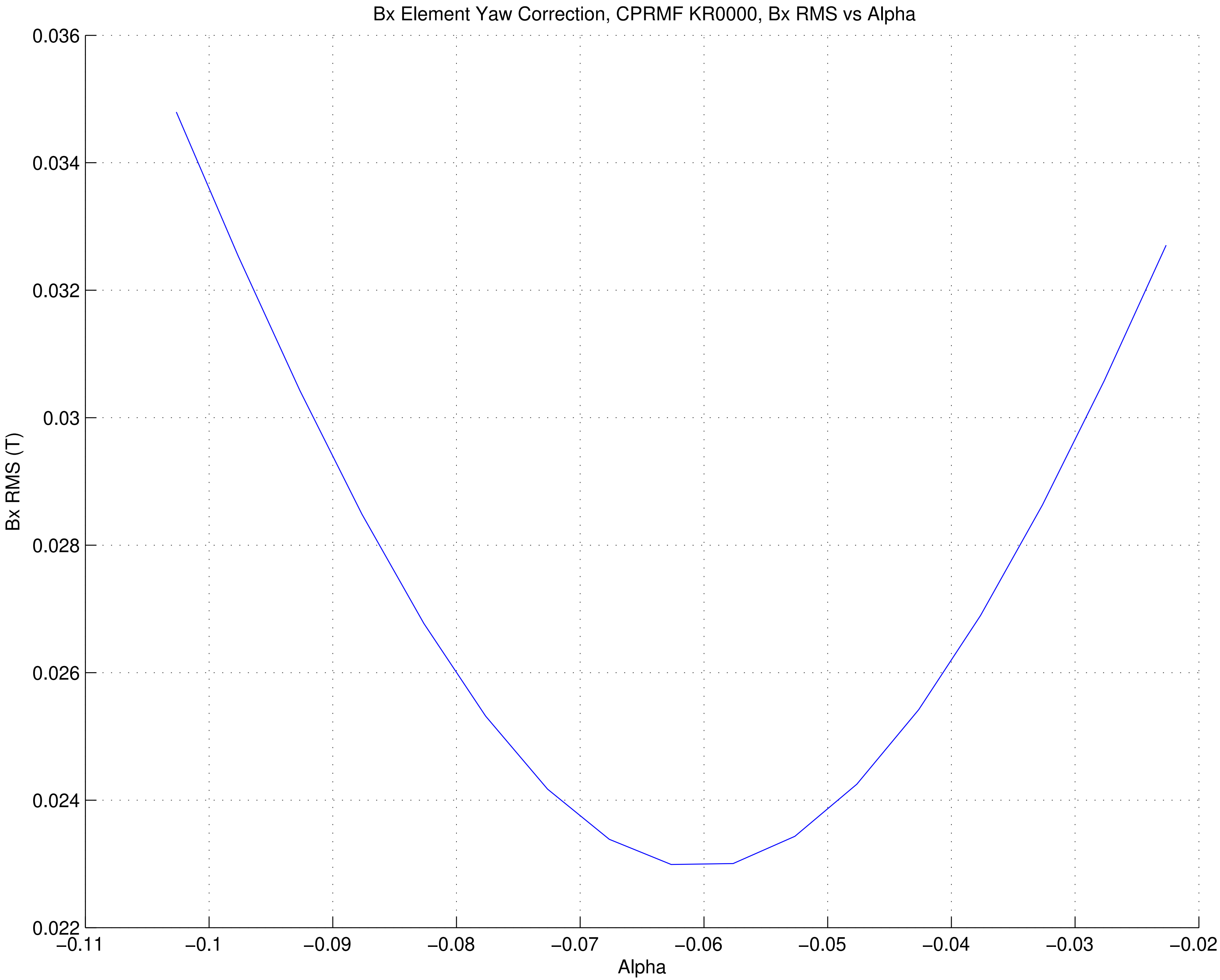

Bx Element Yaw Correction, CPRMF KR0000
Bz (T)
Z (m)
Bz
Bz Fit
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2



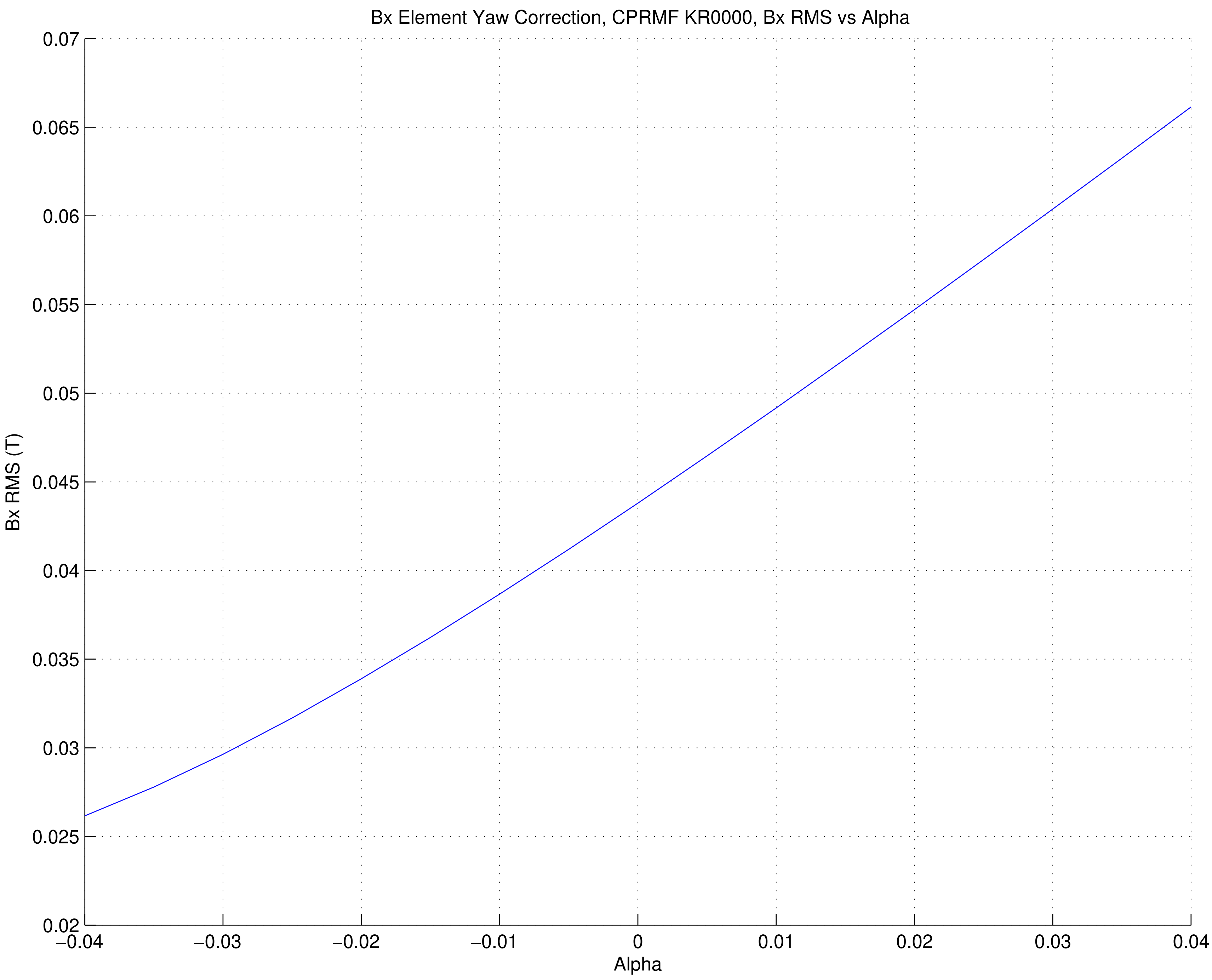
Bx Element Yaw Correction, CPRMF KR0000, Bx Fit + Alpha * Bz Par
x 10^-18
8
6
4
2
0
−2
−4
−6
−8
B Par (T)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
Z (m)

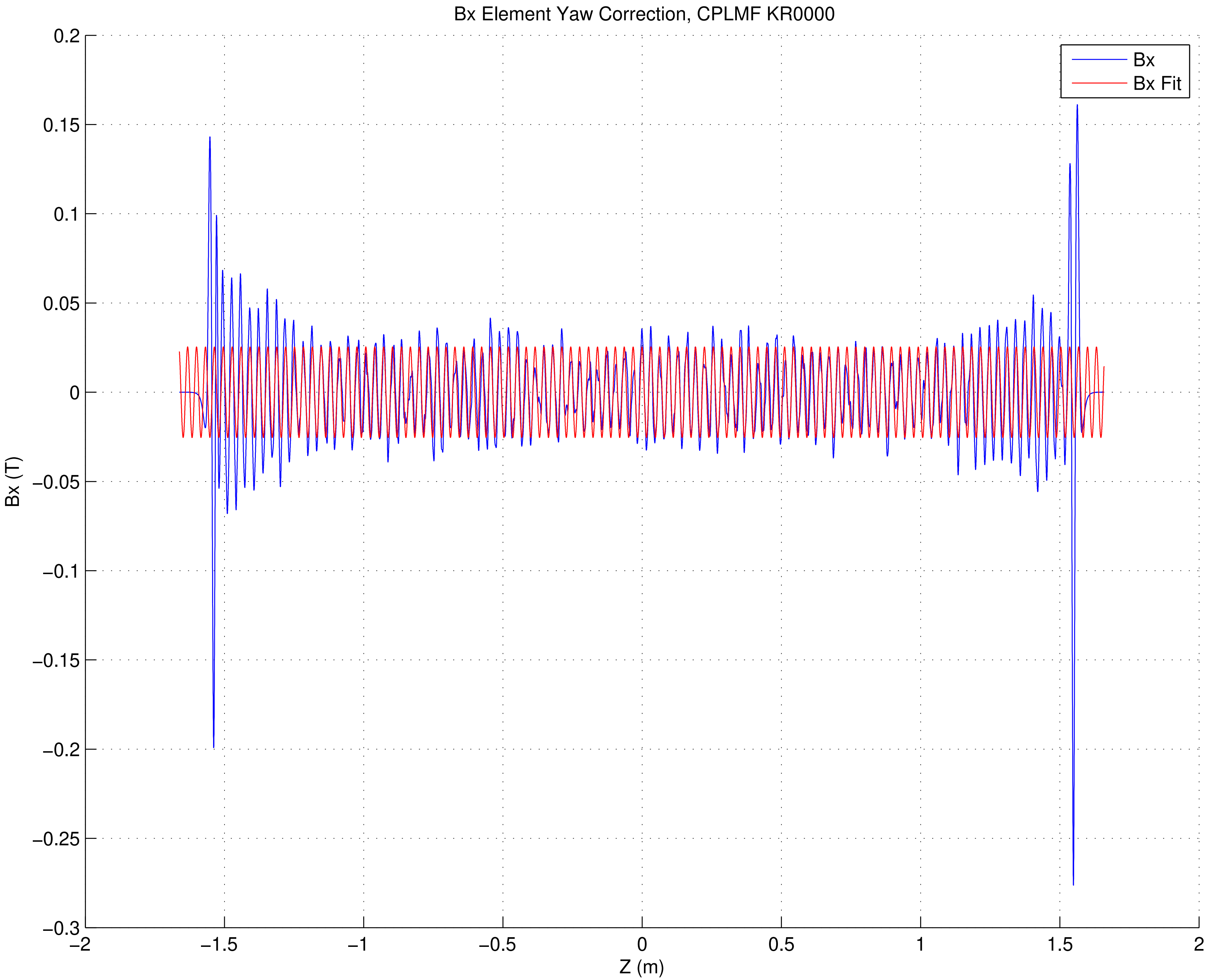

Bx Element Yaw Correction, CPRMF KR0000
Bx Fit
Alpha * Bz Perp
B (T)
Z (m)
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2


Bx Element Yaw Correction, CPRMF KR0000, Alpha = −0.062644
Bx
Bx Corr
Bx (T)
Z (m)
0.3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

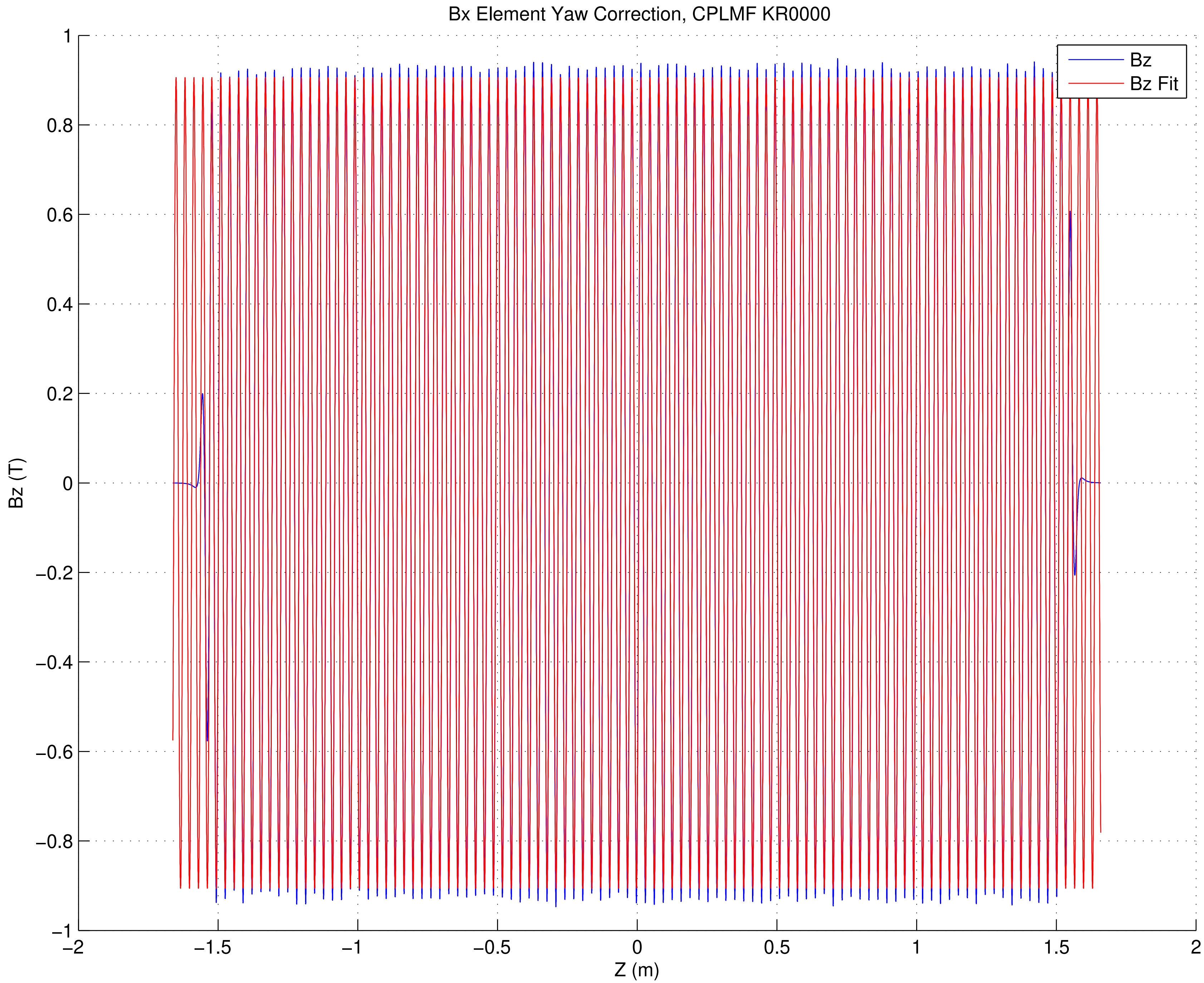


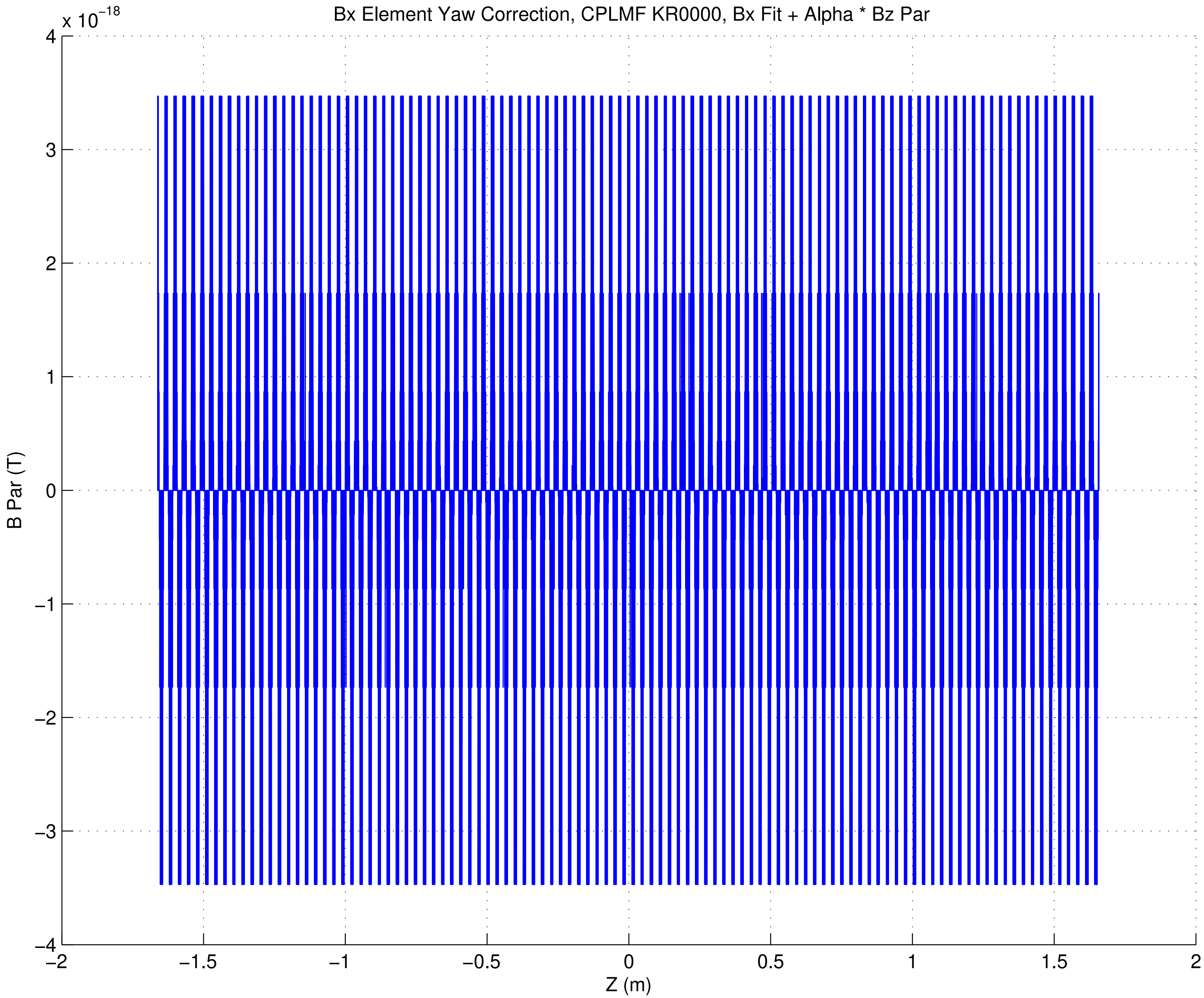
Bx Element Yaw Correction, CPRMF KR0000, Bx RMS vs Alpha
Bx RMS (T)
0.036
0.034
0.032
0.03
0.028
0.026
0.024
0.022
−0.11
−0.1
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04
−0.03
−0.02
Alpha


Bx Element Yaw Correction, CPRMF KR0000, Bx RMS vs Alpha
Bx RMS (T)
Alpha
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
−0.04
−0.03
−0.02
−0.01
0
0.01
0.02
0.03
0.04

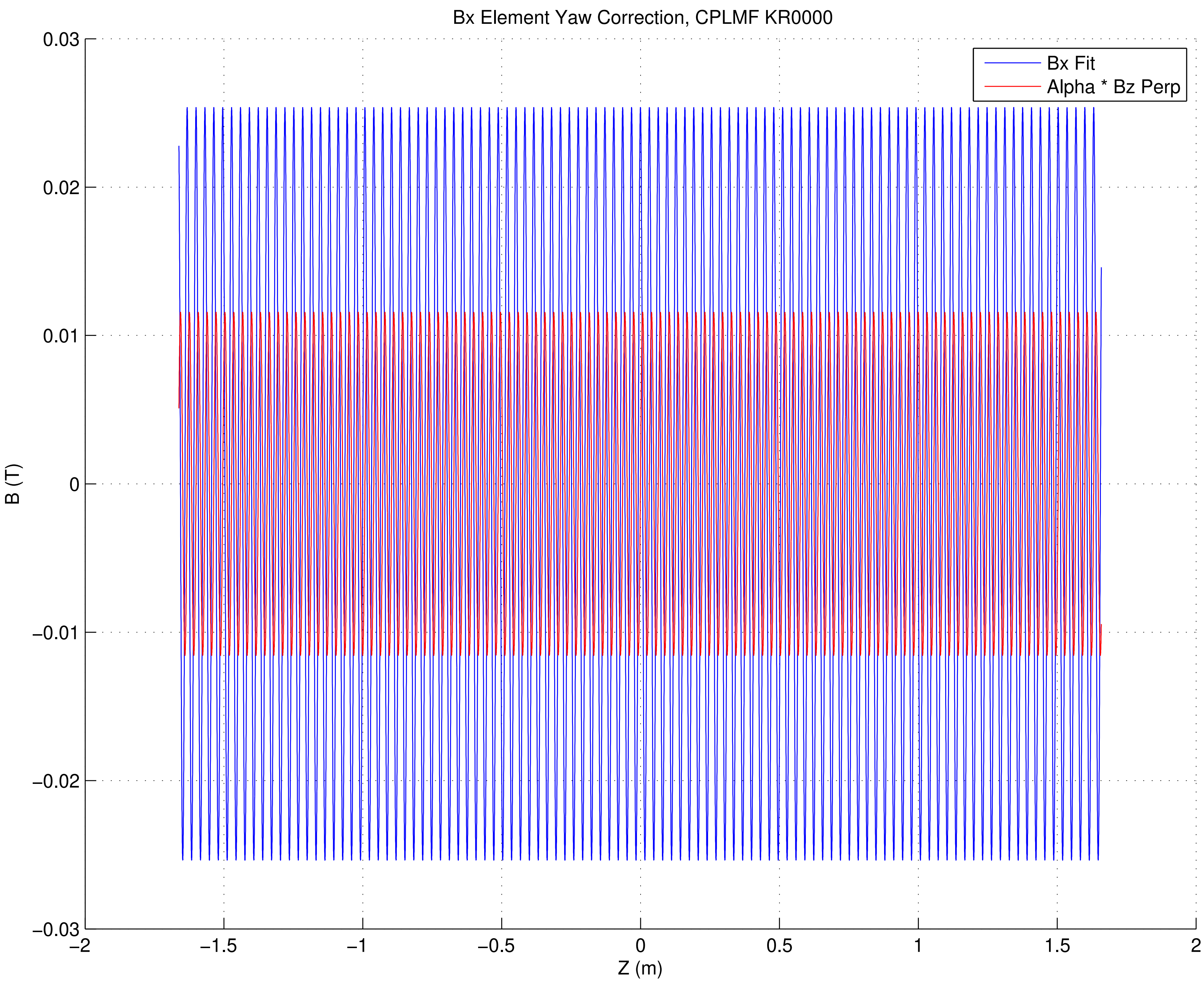


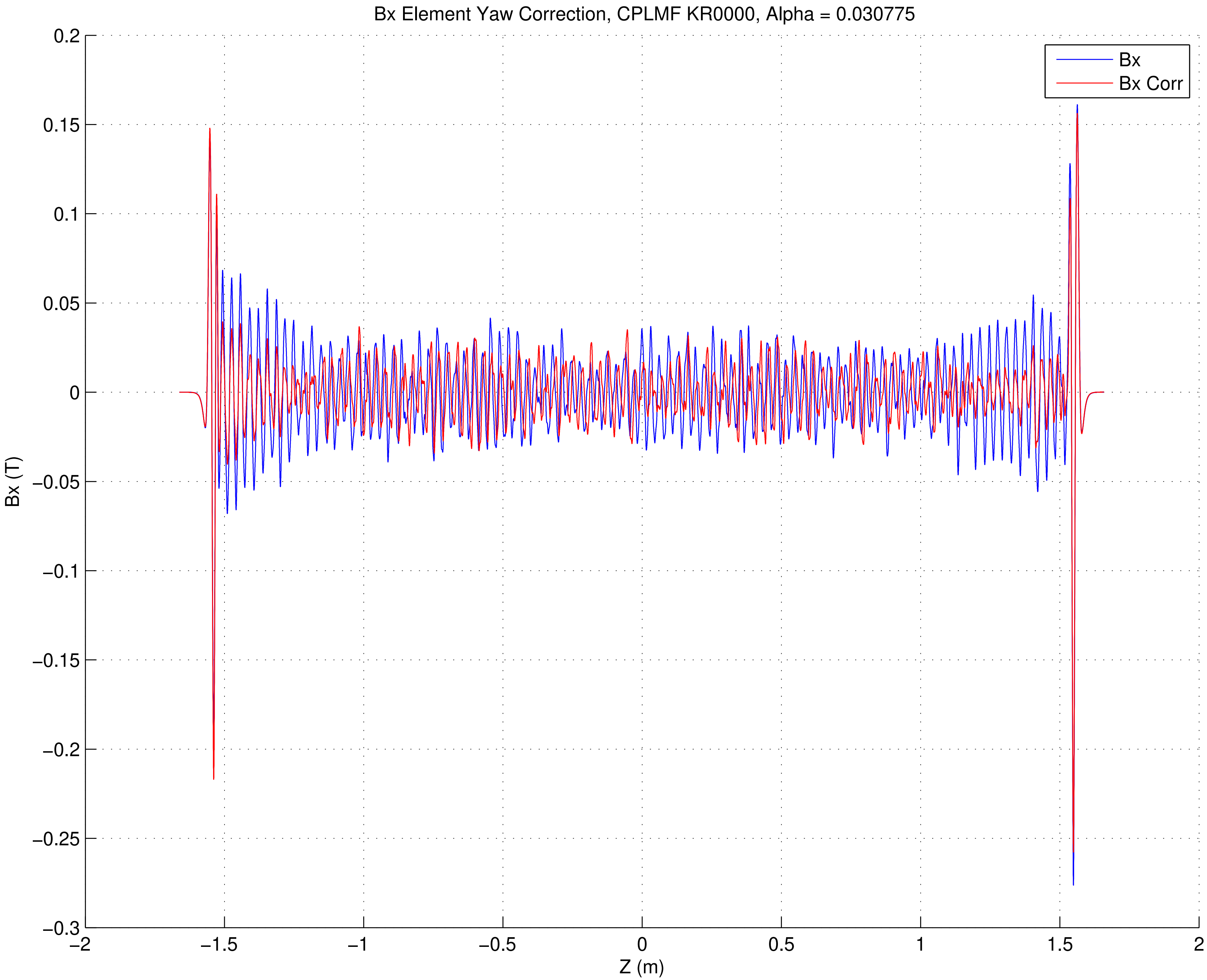
Bx Element Yaw Correction, CPLMF KR0000
Bx
Bx Fit
Bx (T)
Z (m)
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

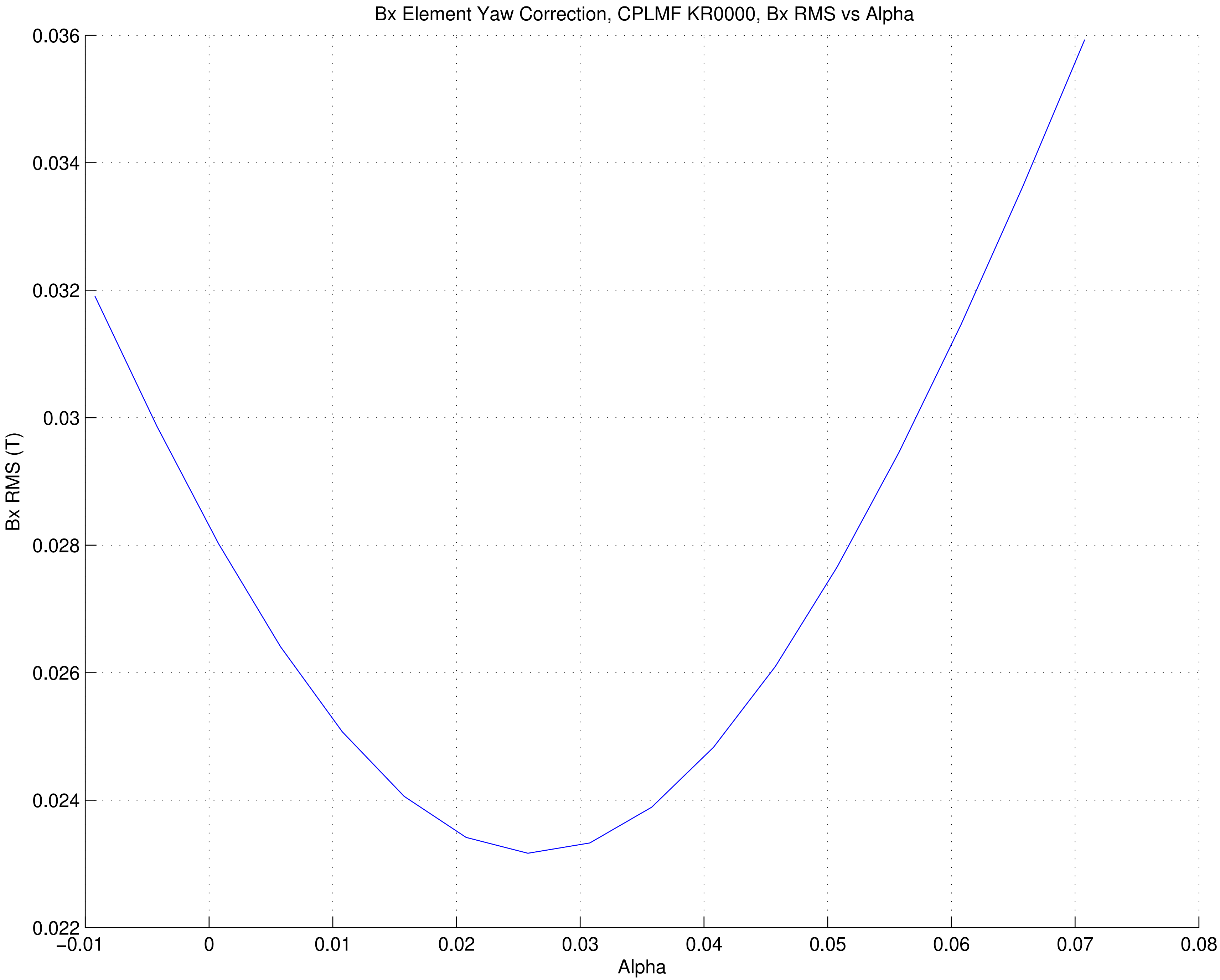

Bx Element Yaw Correction, CPLMF KR0000
Bz
Bz Fit
Bz (T)
Z (m)
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

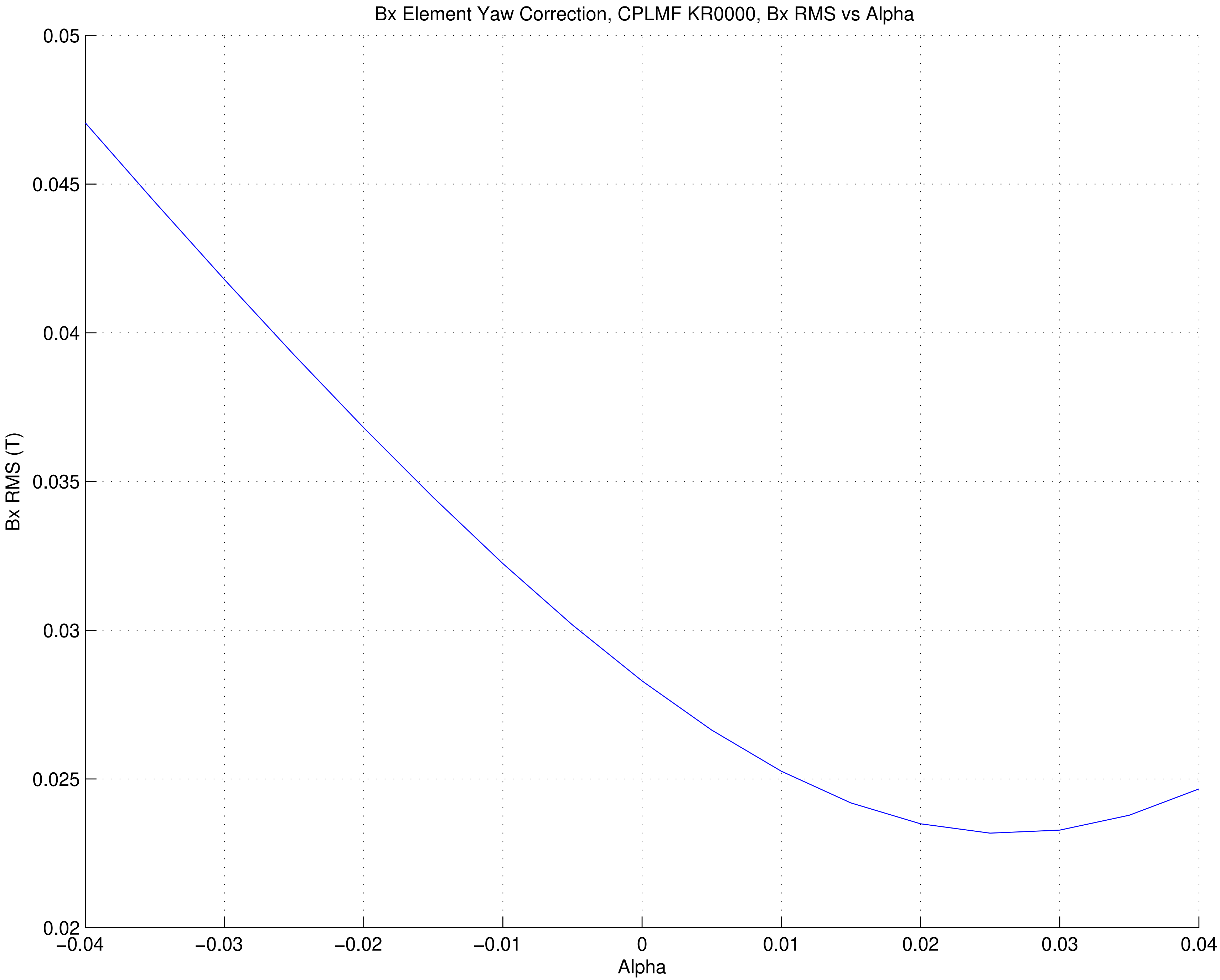


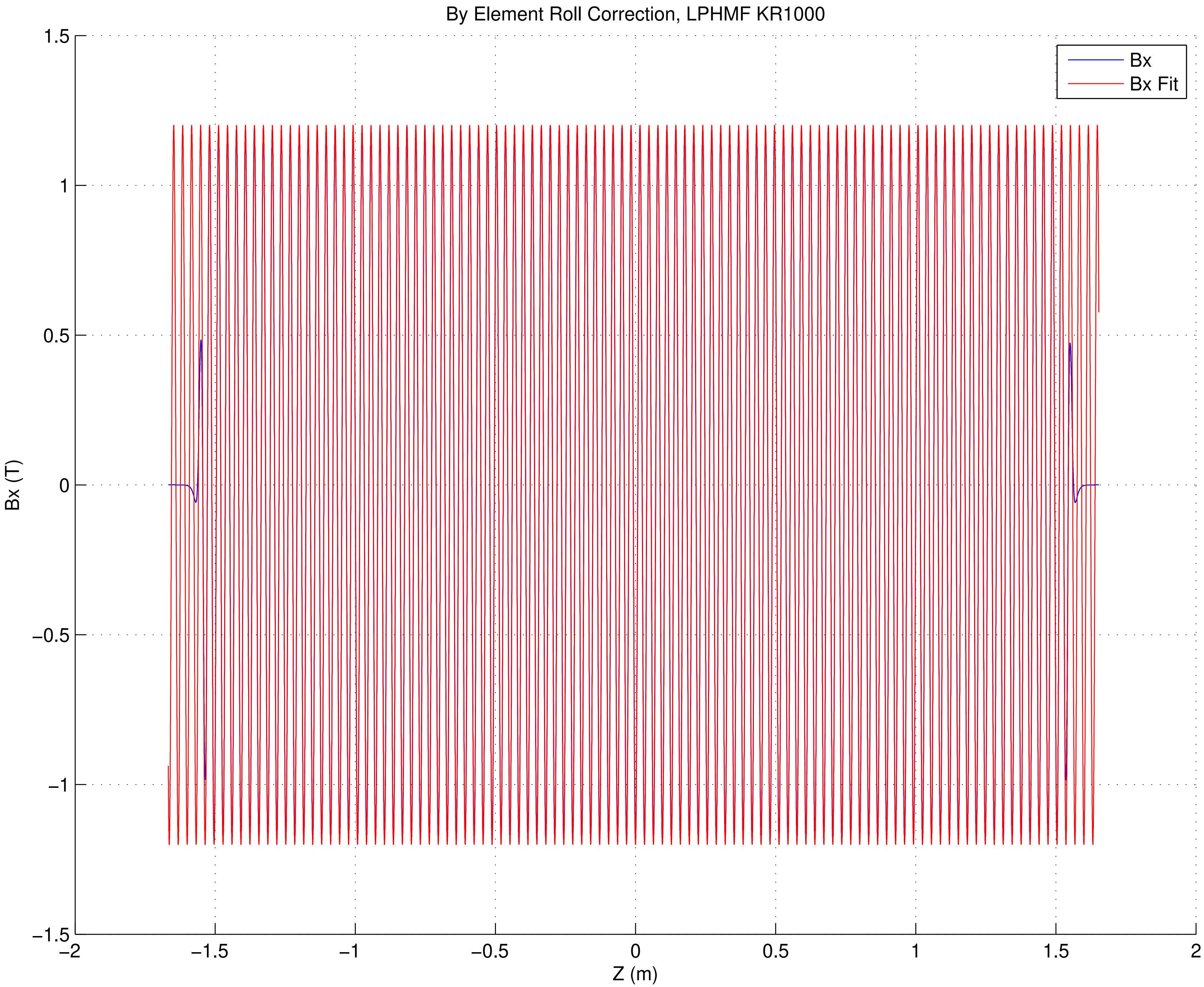
Bx Element Yaw Correction, CPLMF KR0000, Bx Fit + Alpha * Bz Par
x 10^-18
4
3
2
1
0
−1
−2
−3
−4
B Par (T)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
Z (m)


Bx Element Yaw Correction, CPLMF KR0000
Bx Fit
Alpha * Bz Perp
B (T)
Z (m)
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

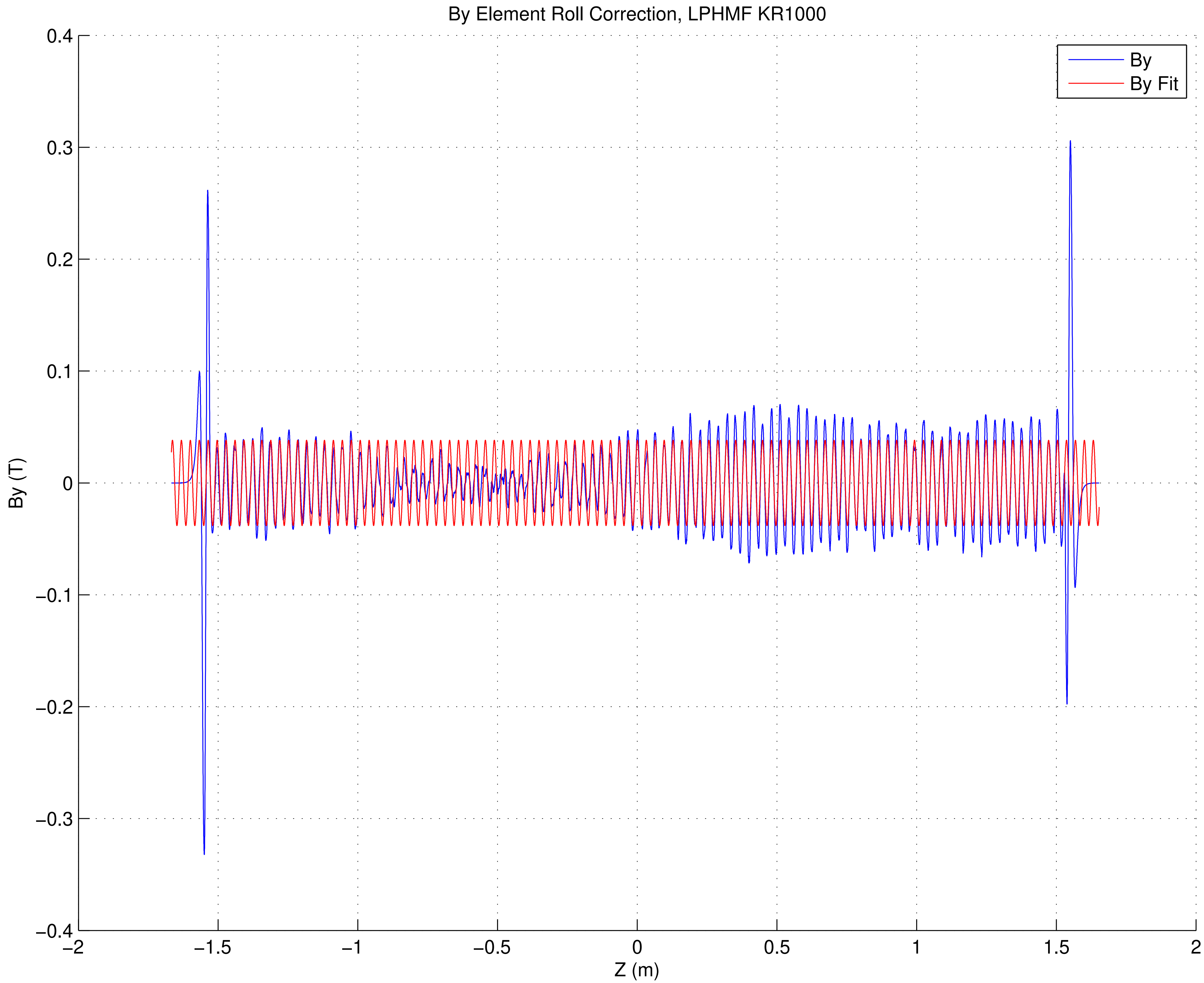

Bx Element Yaw Correction, CPLMF KR0000, Alpha = 0.030775
Bx
Bx Corr
Bx (T)
Z (m)
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2


Bx Element Yaw Correction, CPLMF KR0000, Bx RMS vs Alpha
Bx RMS (T)
0.036
0.034
0.032
0.03
0.028
0.026
0.024
0.022
–0.01
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
Alpha

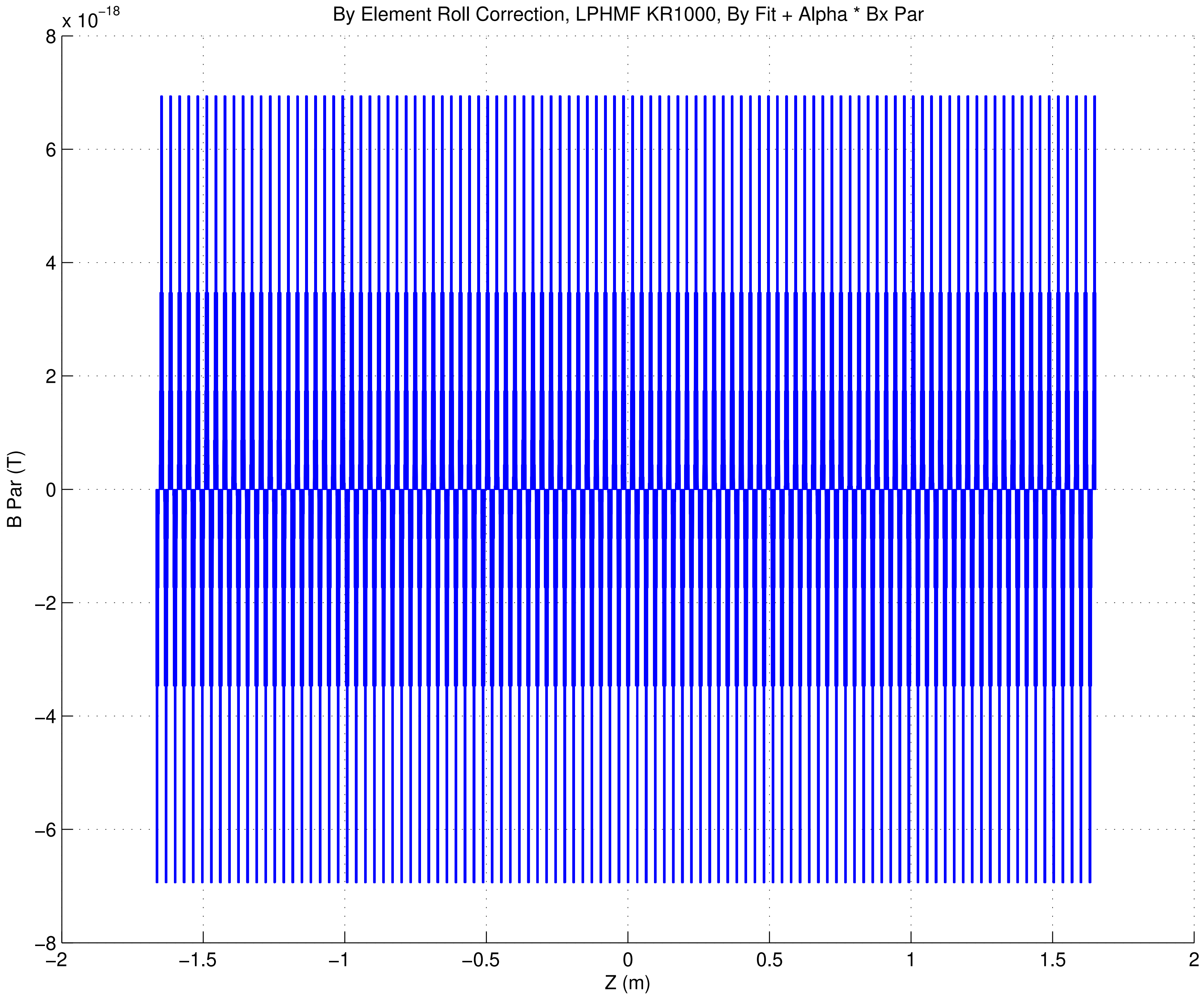

Bx Element Yaw Correction, CPLMF KR0000, Bx RMS vs Alpha
Bx RMS (T)
0.05
0.045
0.04
0.035
0.03
0.025
0.02
–0.04
–0.03
–0.02
–0.01
0
0.01
0.02
0.03
0.04
Alpha

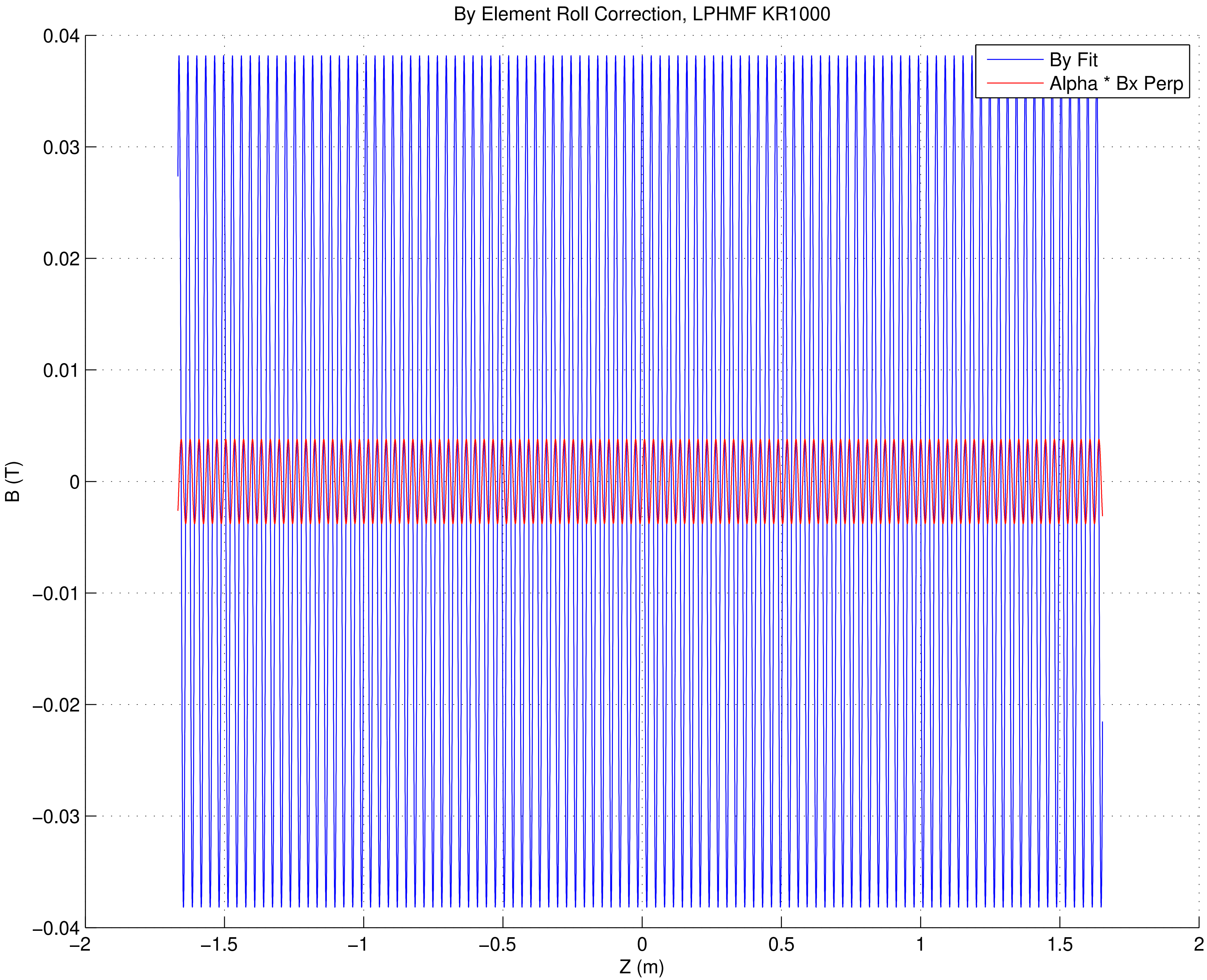


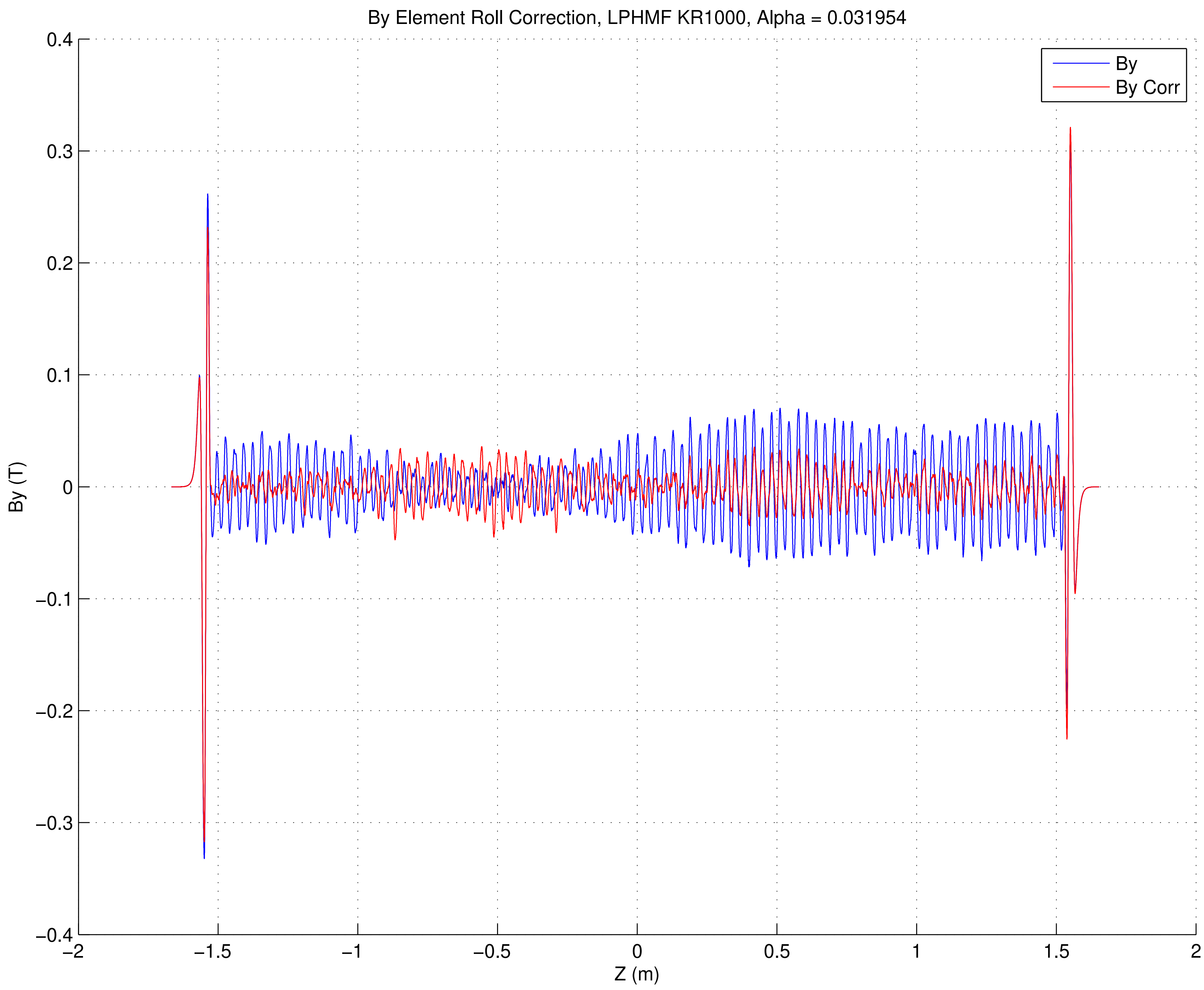
By Element Roll Correction, LPHMF KR1000
Bx
Bx Fit
Bx (T)
Z (m)
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2



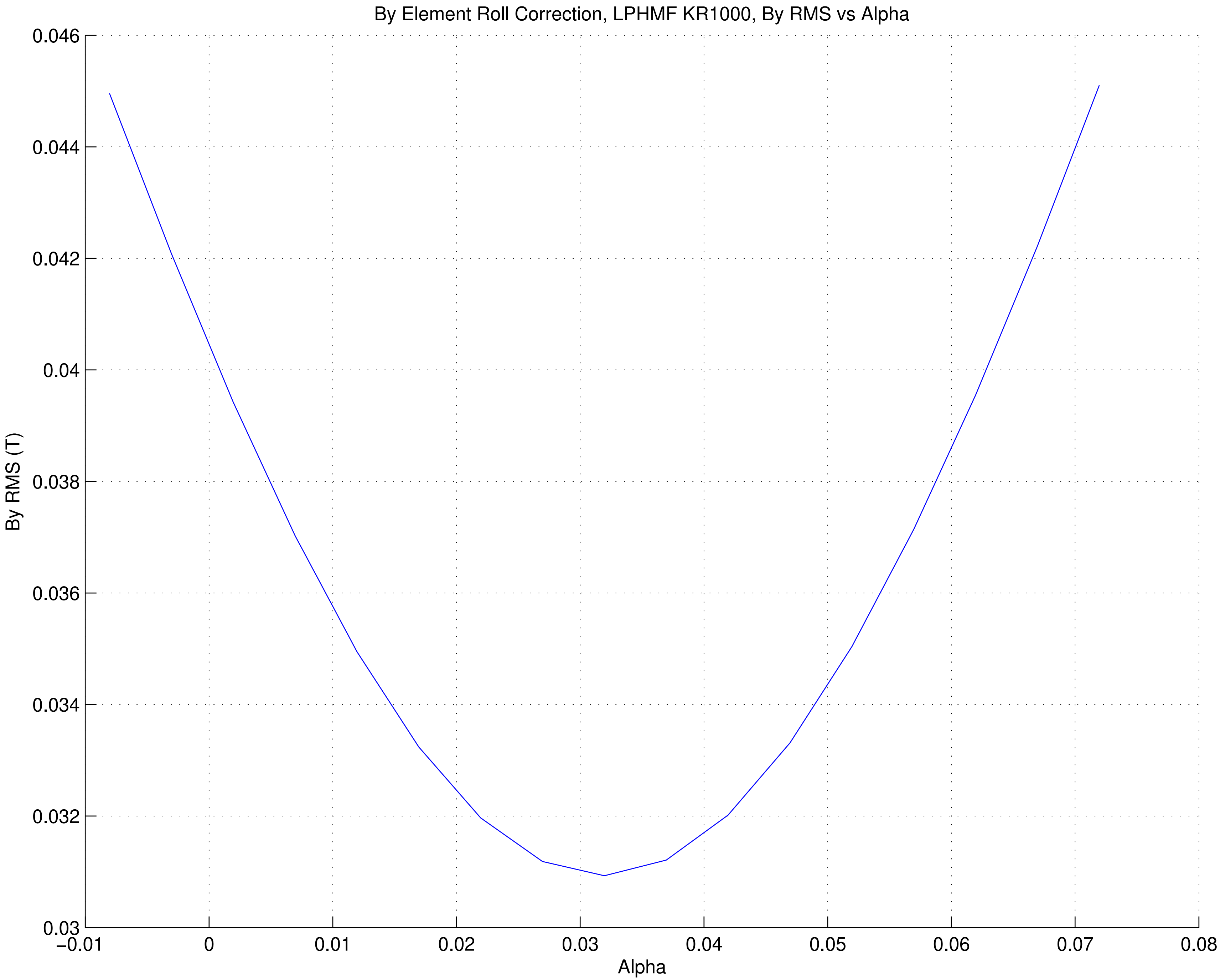
By Element Roll Correction, LPHMF KR1000
By
By Fit
By (T)
Z (m)
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2


By Element Roll Correction, LPHMF KR1000, By Fit + Alpha * Bx Par
x 10^-18
8
6
4
2
0
−2
−4
−6
−8
B Par (T)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
Z (m)

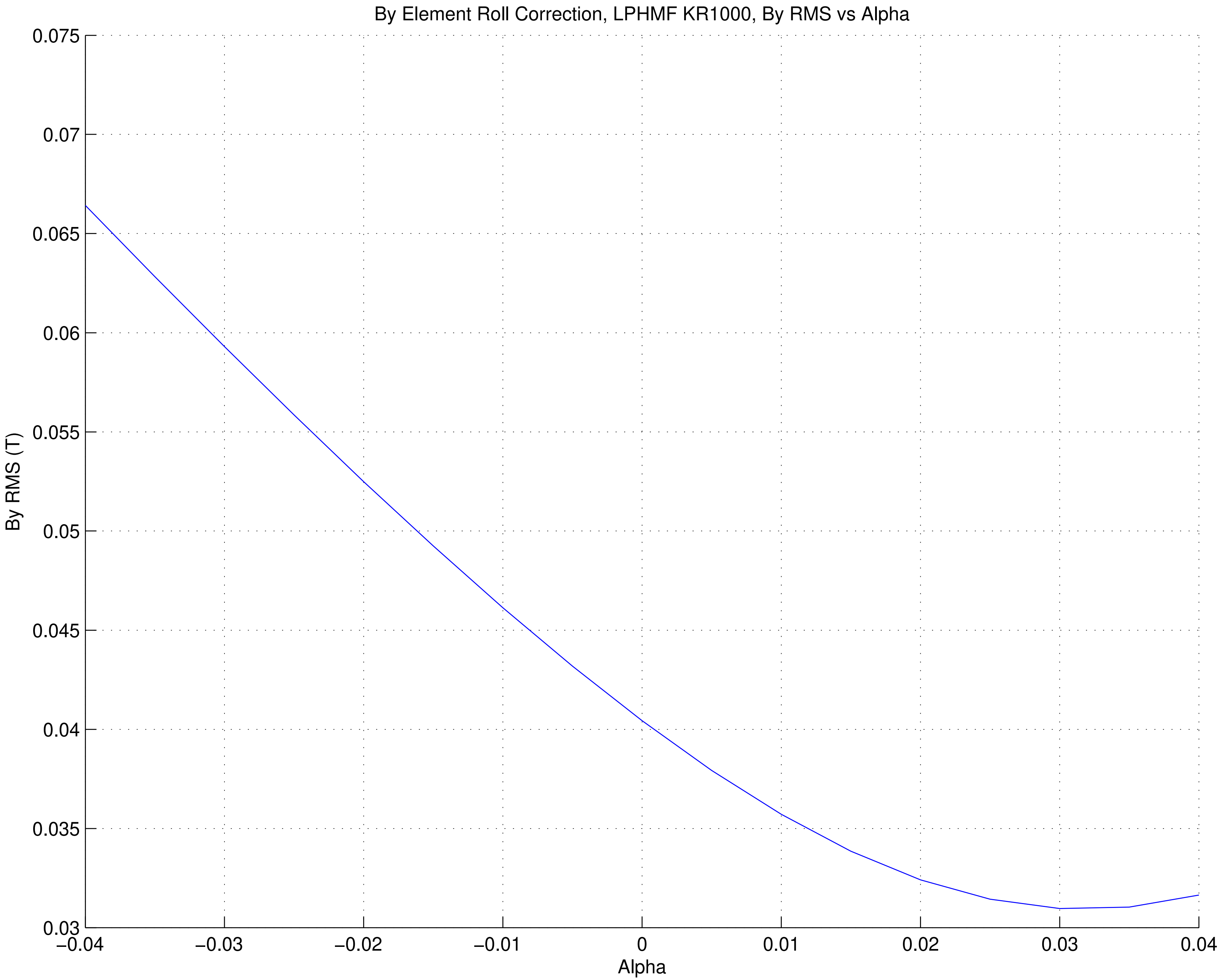

By Element Roll Correction, LPHMF KR1000
By Fit
Alpha * Bx Perp
B (T)
Z (m)
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

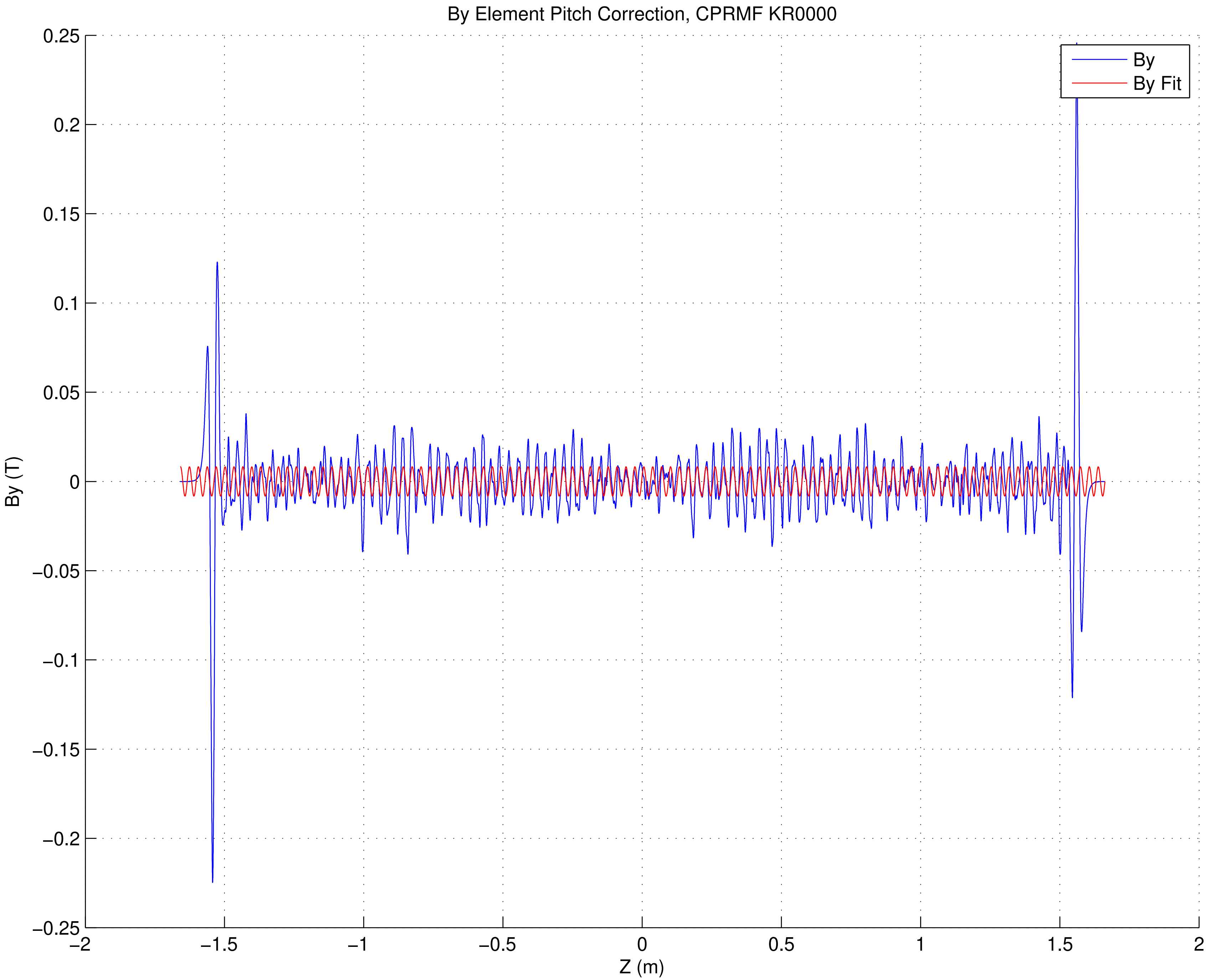


By Element Roll Correction, LPHMF KR1000, Alpha = 0.031954
By
By Corr
By (T)
Z (m)
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

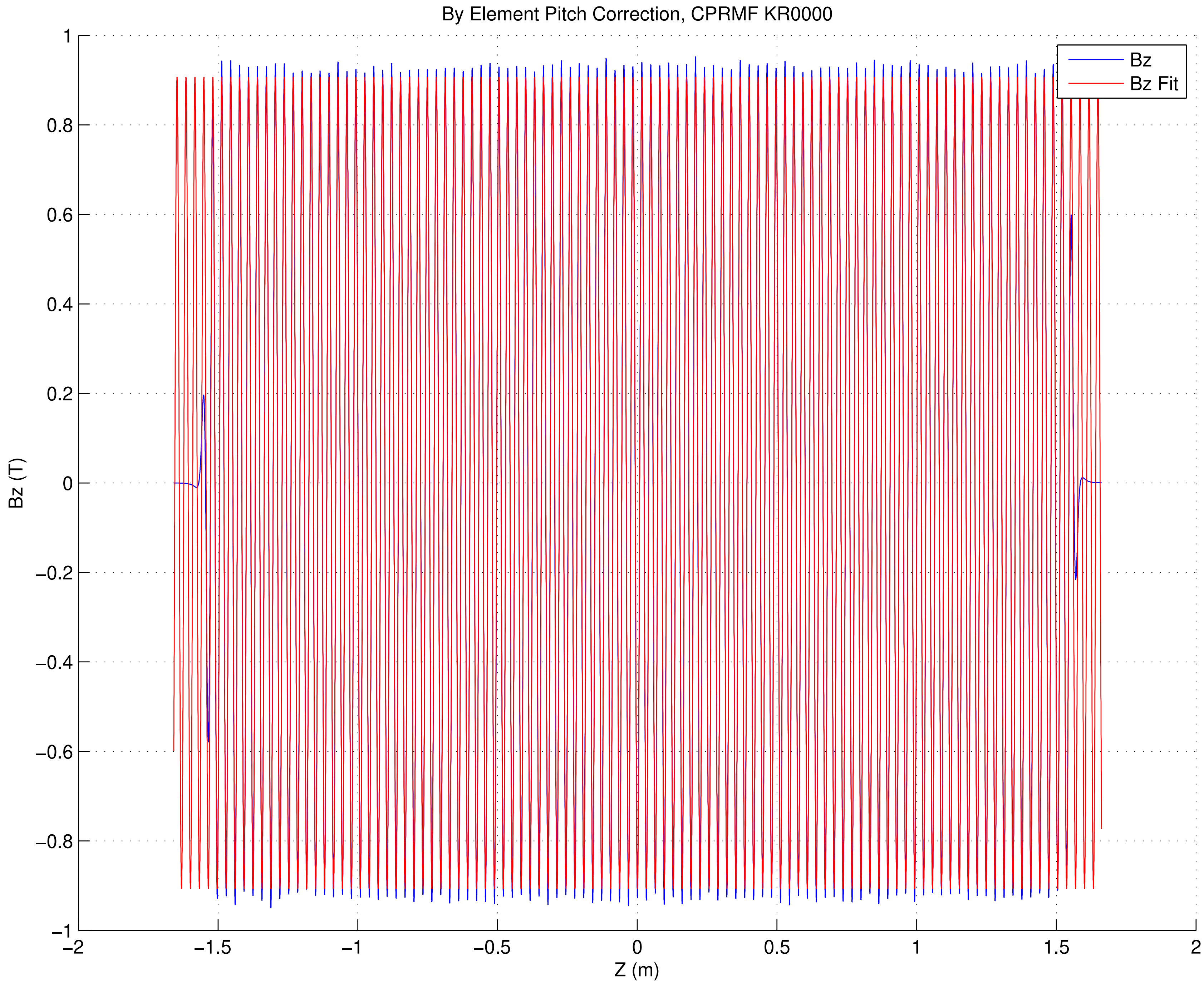


By Element Roll Correction, LPHMF KR1000, By RMS vs Alpha
By RMS (T)
Alpha
0.046
0.044
0.042
0.04
0.038
0.036
0.034
0.032
0.03
−0.01
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08

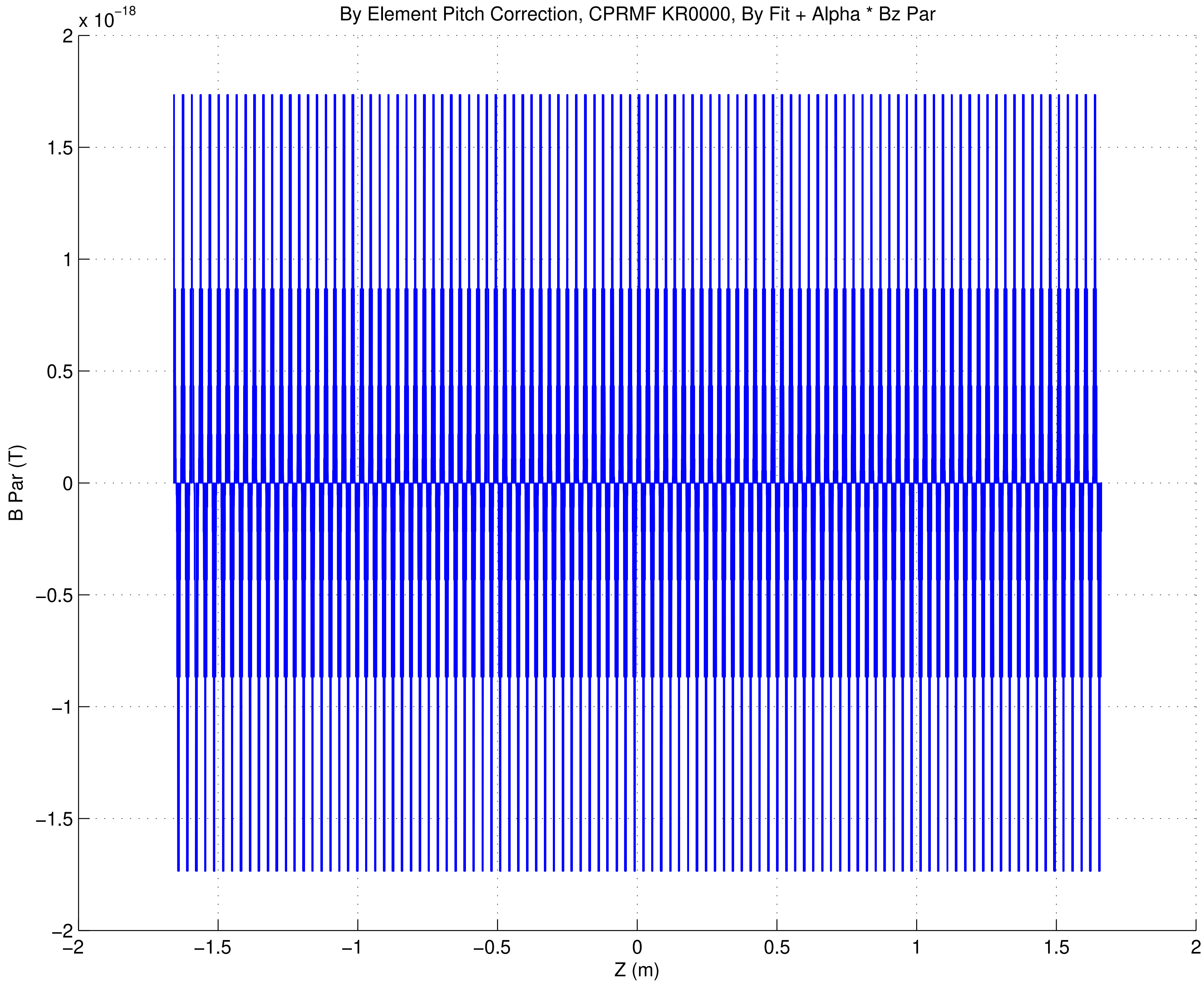

By Element Roll Correction, LPHMF KR1000, By RMS vs Alpha
By RMS (T)
Alpha
0.075
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
−0.04
−0.03
−0.02
−0.01
0
0.01
0.02
0.03
0.04



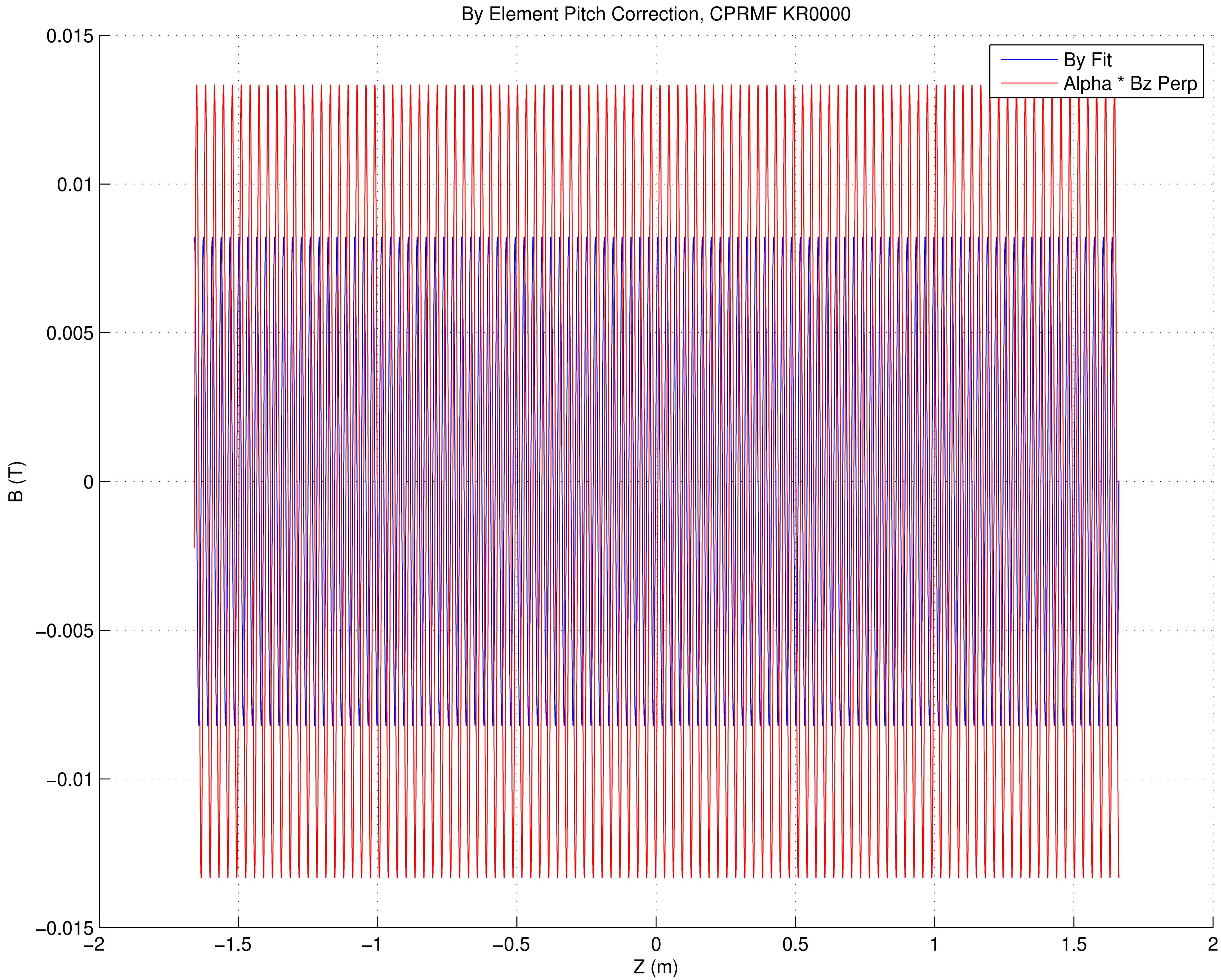
By Element Pitch Correction, CPRMF KR0000
By
By Fit
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
By (T)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
Z (m)



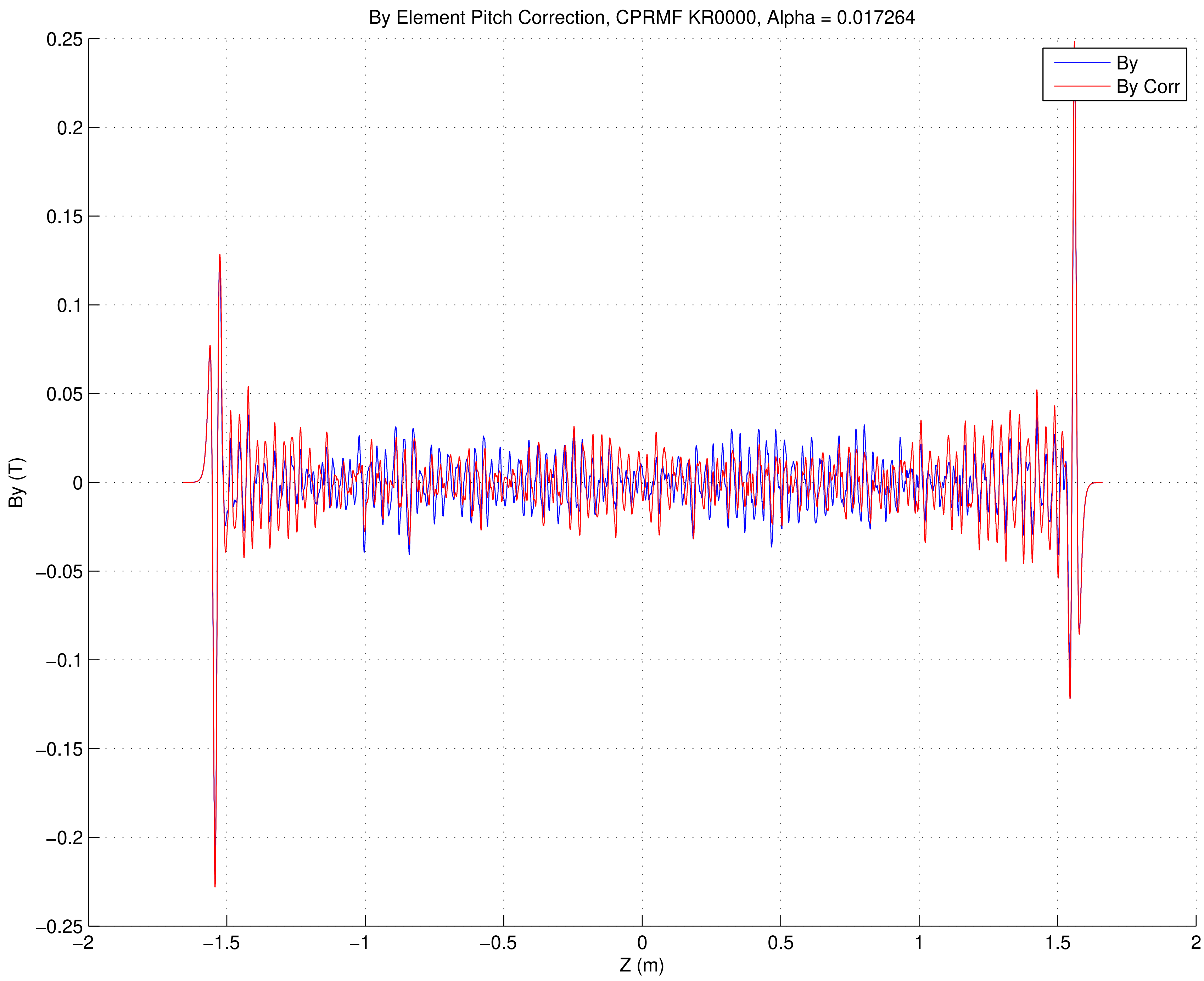
By Element Pitch Correction, CPRMF KR0000
Bz
Bz Fit
Bz (T)
Z (m)
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

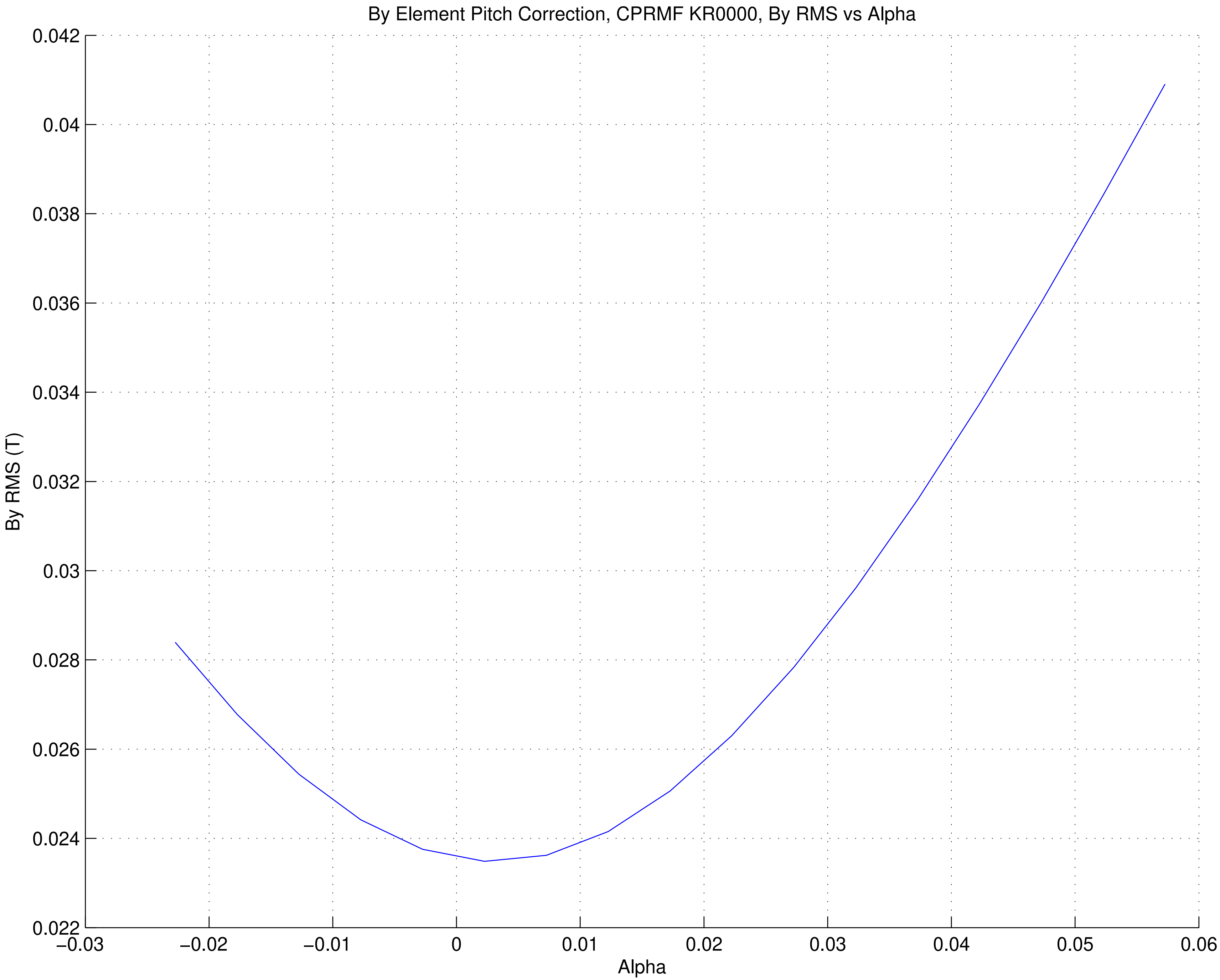


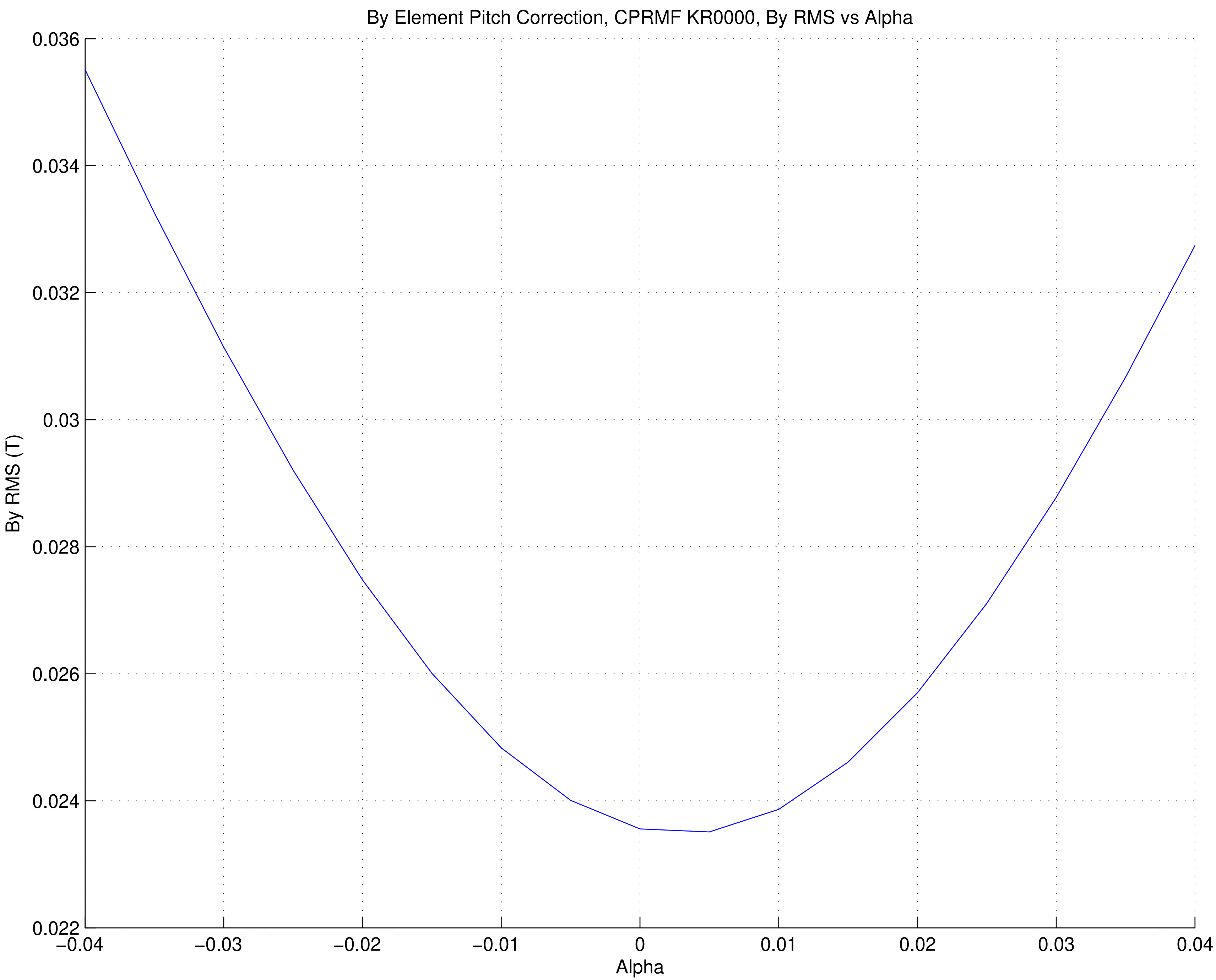
By Element Pitch Correction, CPRMF KR0000, By Fit + Alpha * Bz Par
x 10^-18
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
B Par (T)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
Z (m)

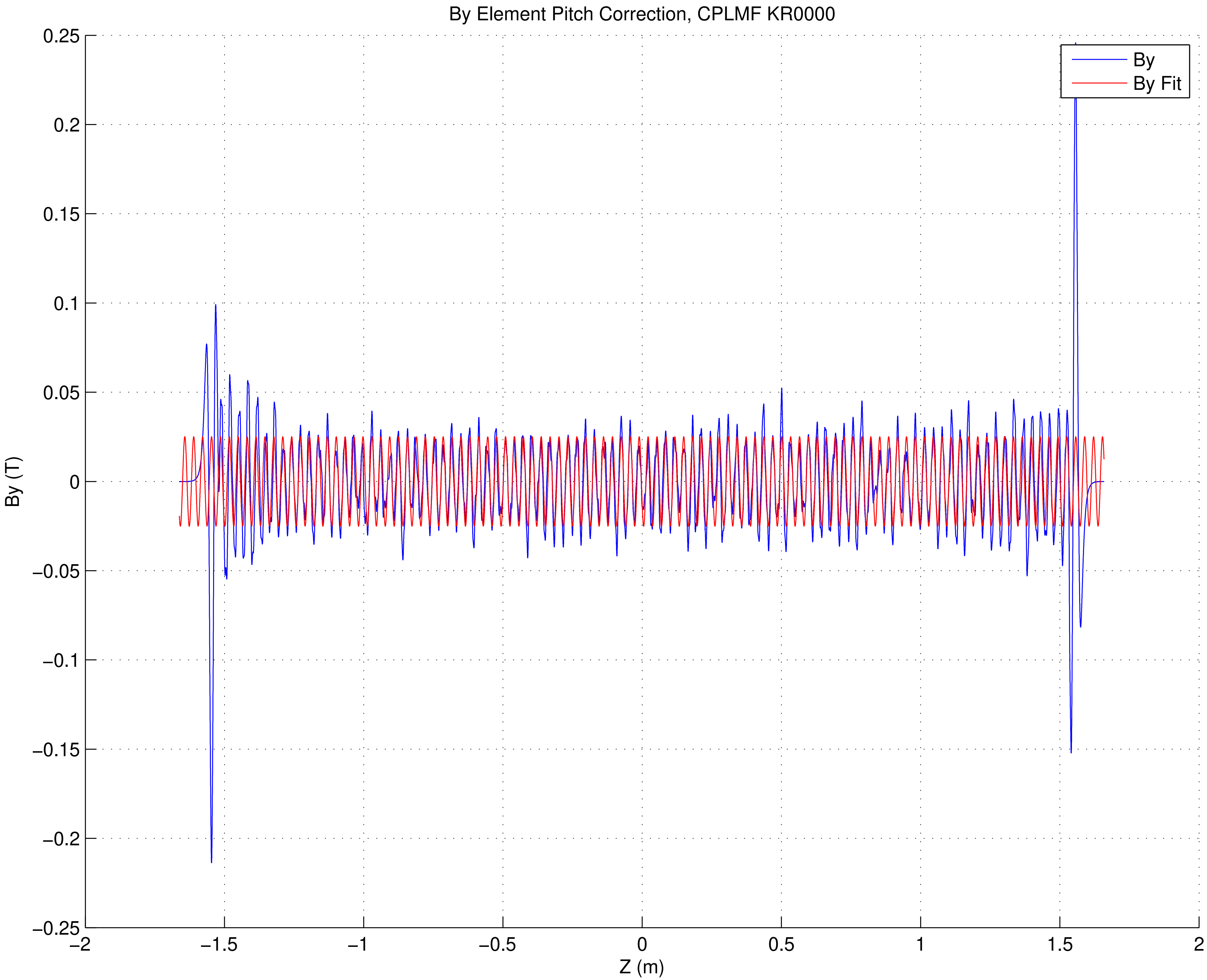


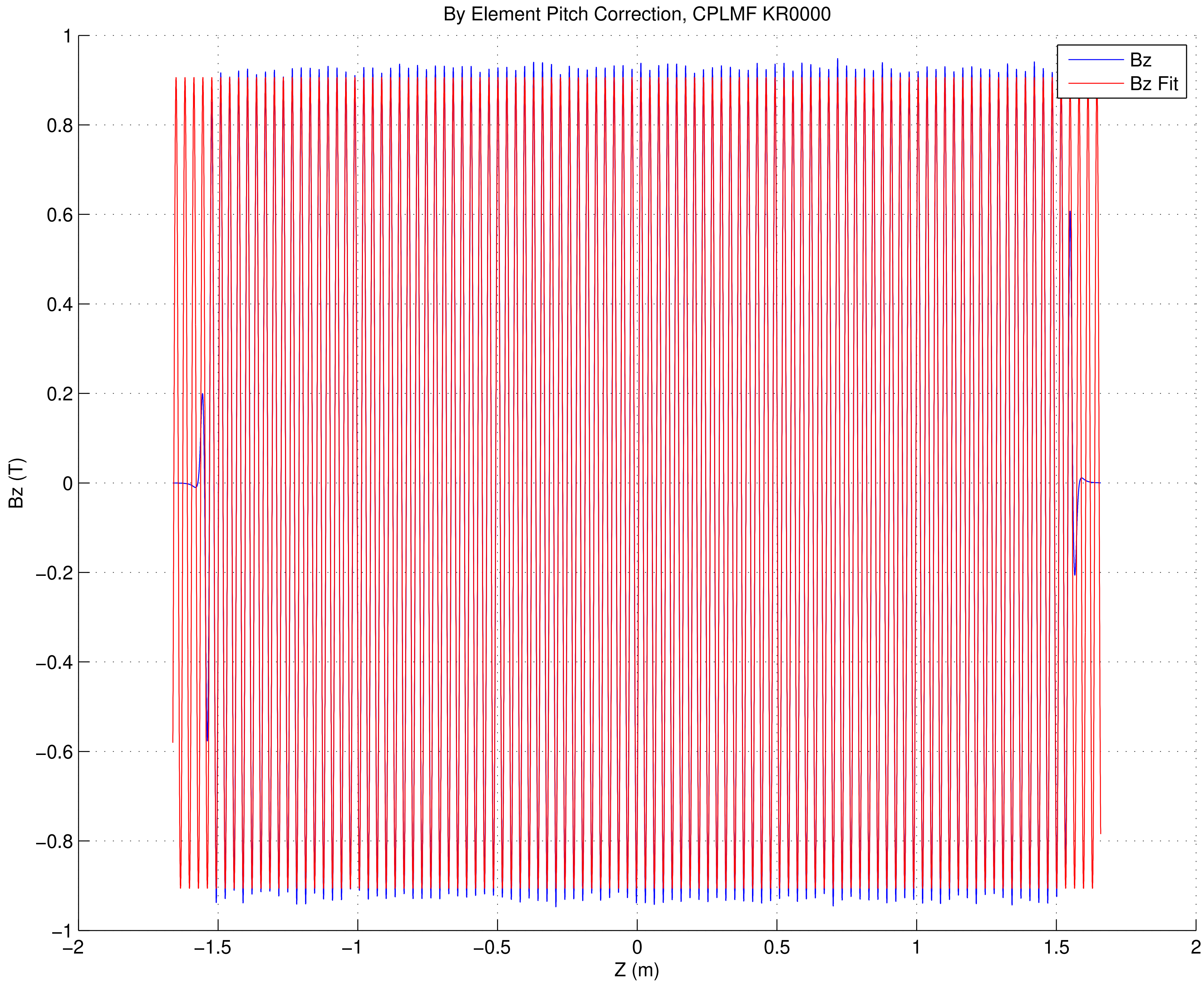
By Element Pitch Correction, CPRMF KR0000
By Fit
Alpha * Bz Perp
B (T)
Z (m)
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

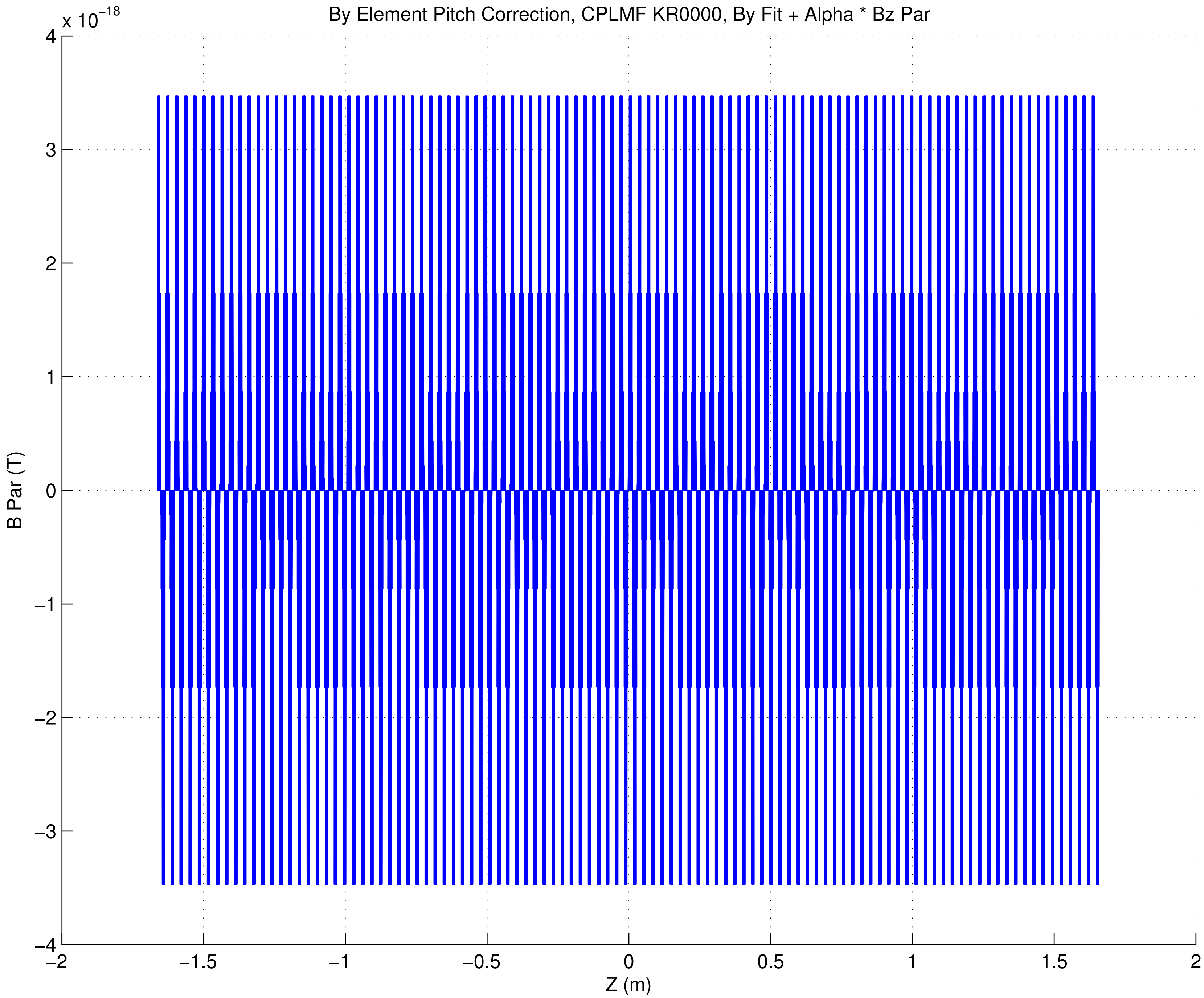

By Element Pitch Correction, CPRMF KR0000, Alpha = 0.017264
By
By Corr
By (T)
Z (m)
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

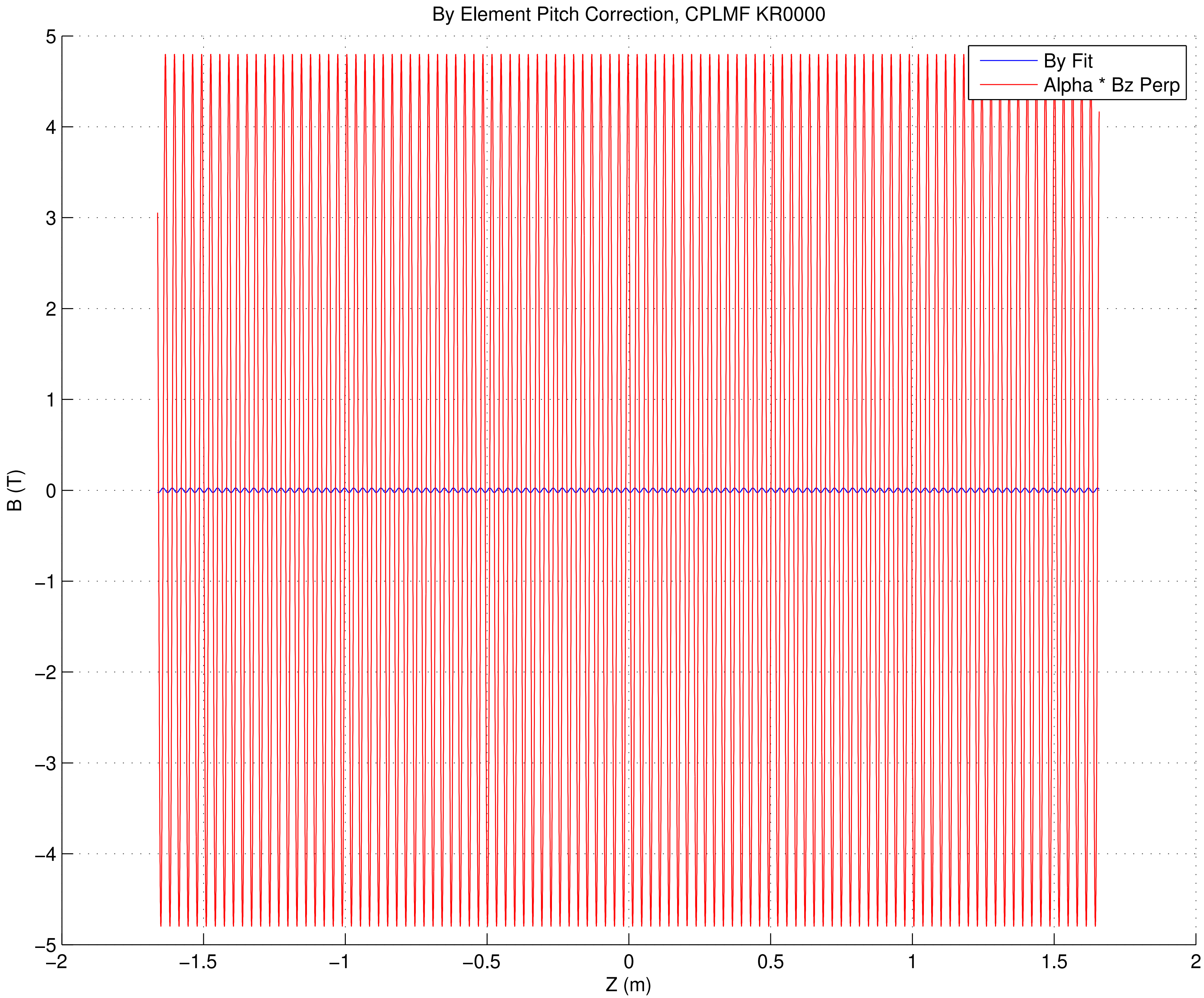

By Element Pitch Correction, CPRMF KR0000, By RMS vs Alpha
By RMS (T)
Alpha
0.042
0.04
0.038
0.036
0.034
0.032
0.03
0.028
0.026
0.024
0.022
−0.03
−0.02
−0.01
0
0.01
0.02
0.03
0.04
0.05
0.06

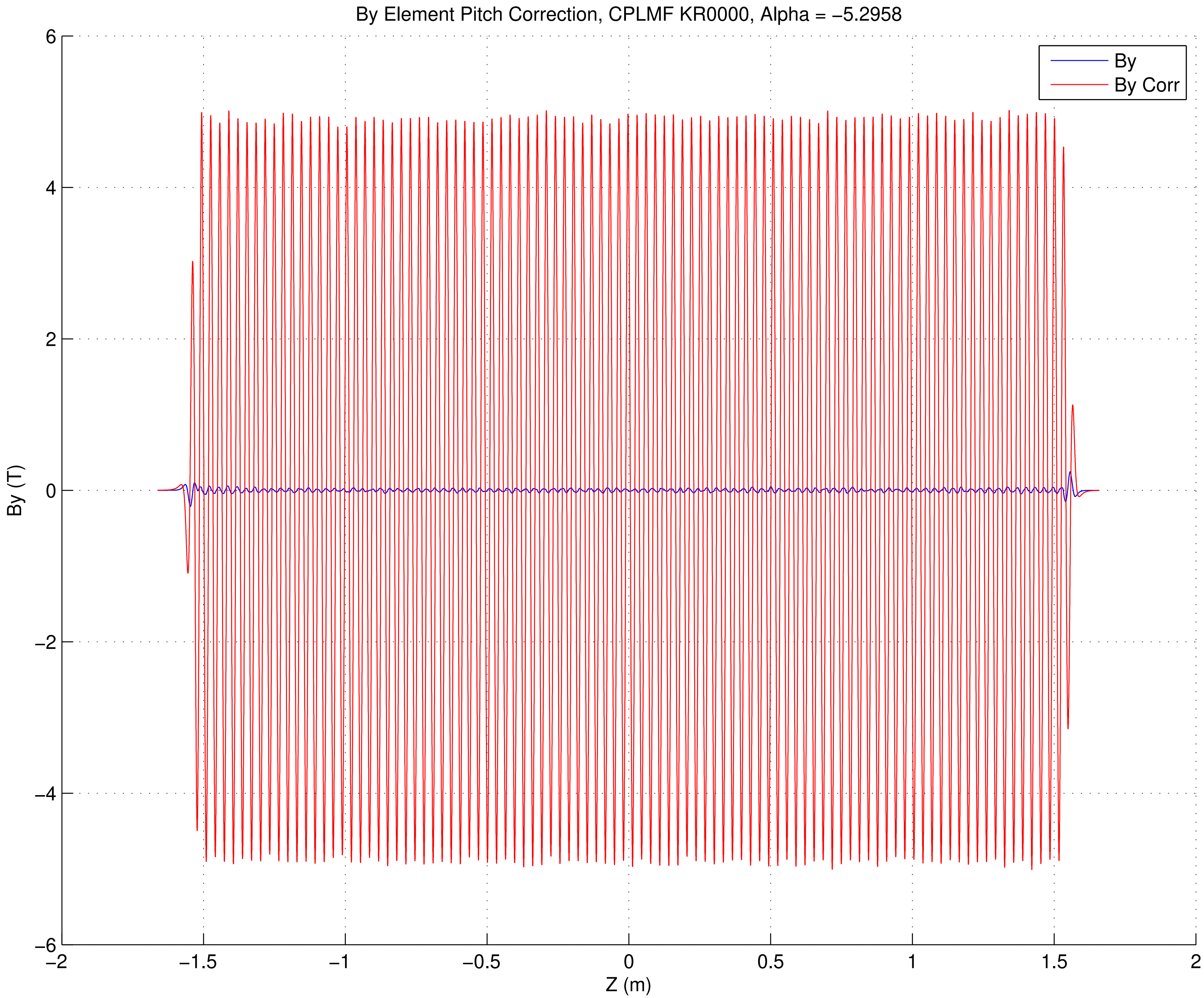

By Element Pitch Correction, CPRMF KR0000, By RMS vs Alpha
By RMS (T)
0.036
0.034
0.032
0.03
0.028
0.026
0.024
0.022
−0.04
−0.03
−0.02
−0.01
0
0.01
0.02
0.03
0.04
Alpha

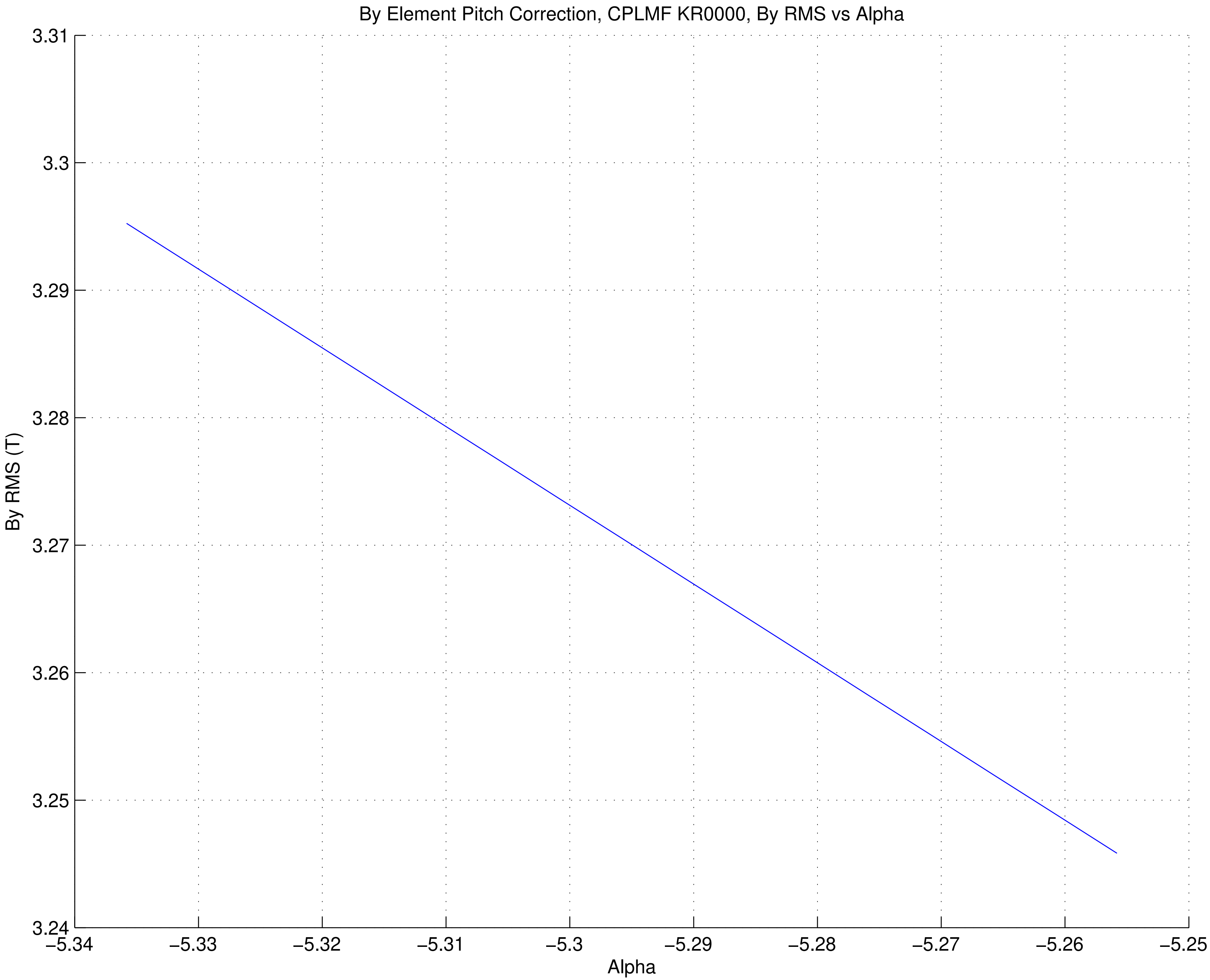

By Element Pitch Correction, CPLMF KR0000
By
By Fit
By (T)
Z (m)
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2


By Element Pitch Correction, CPLMF KR0000
Bz
Bz Fit
Bz (T)
Z (m)
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

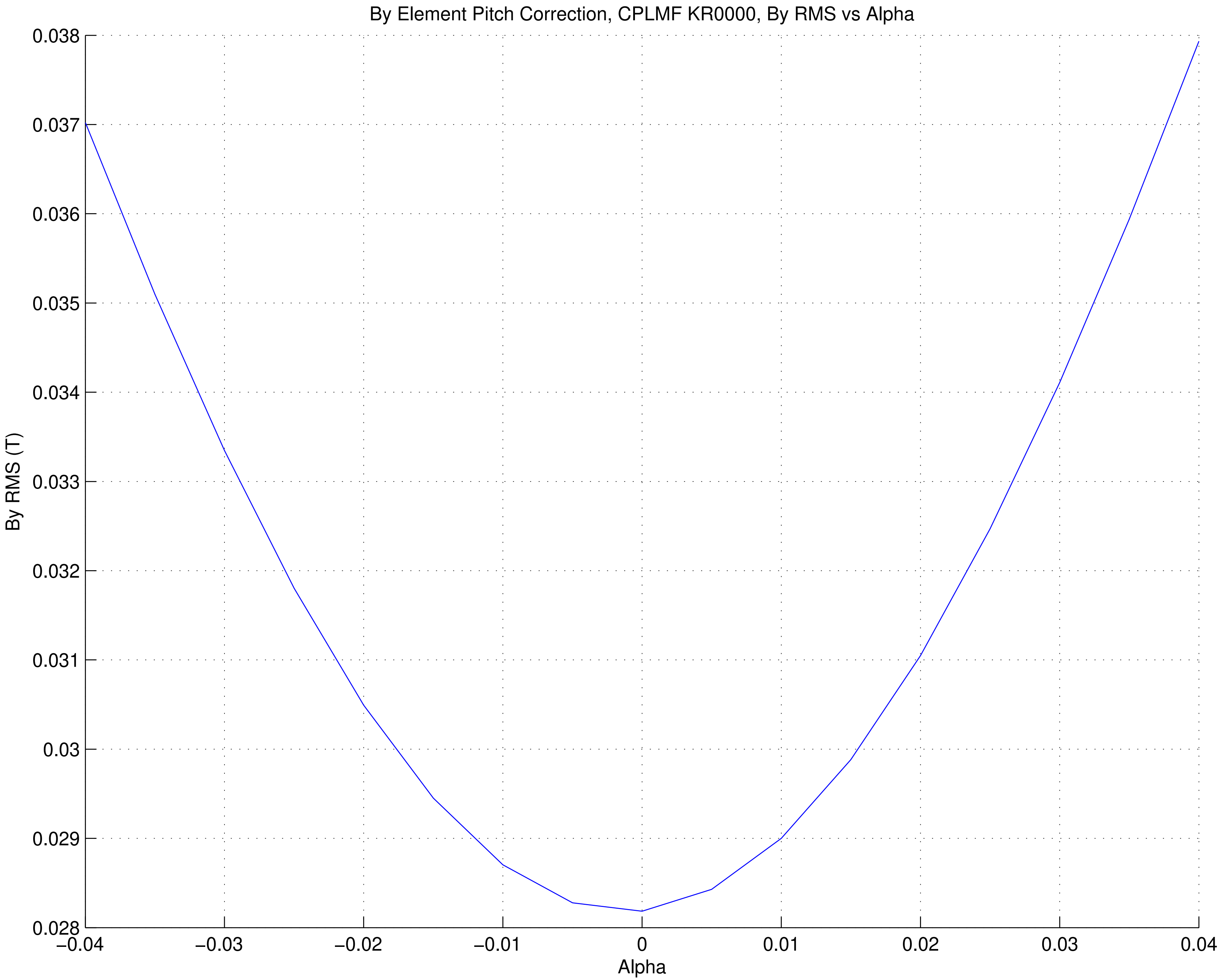

By Element Pitch Correction, CPLMF KR0000, By Fit + Alpha * Bz Par
x 10^-18
4
3
2
1
0
−1
−2
−3
−4
B Par (T)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
Z (m)

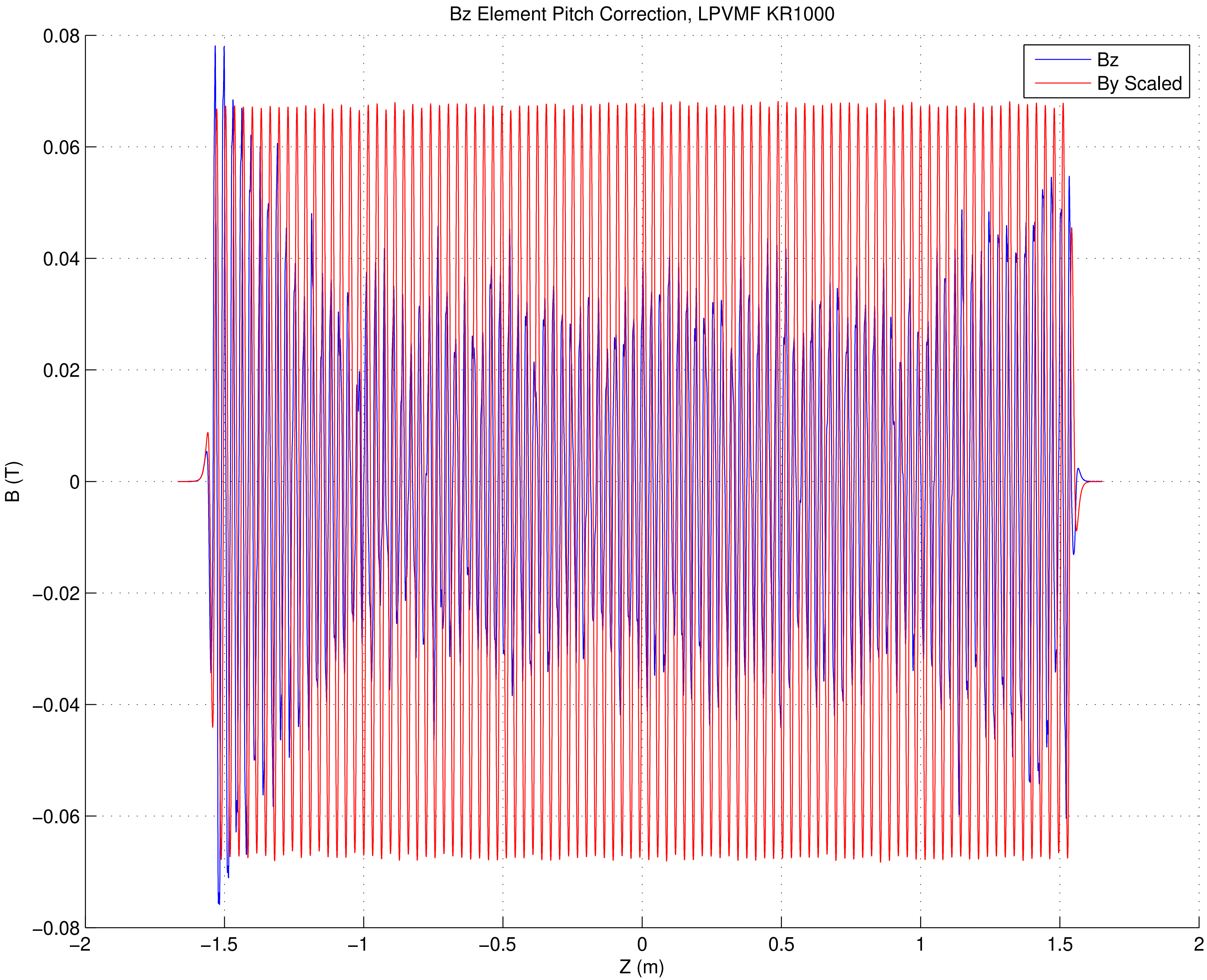

By Element Pitch Correction, CPLMF KR0000
By Fit
Alpha * Bz Perp
B (T)
Z (m)
5
4
3
2
1
0
−1
−2
−3
−4
−5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

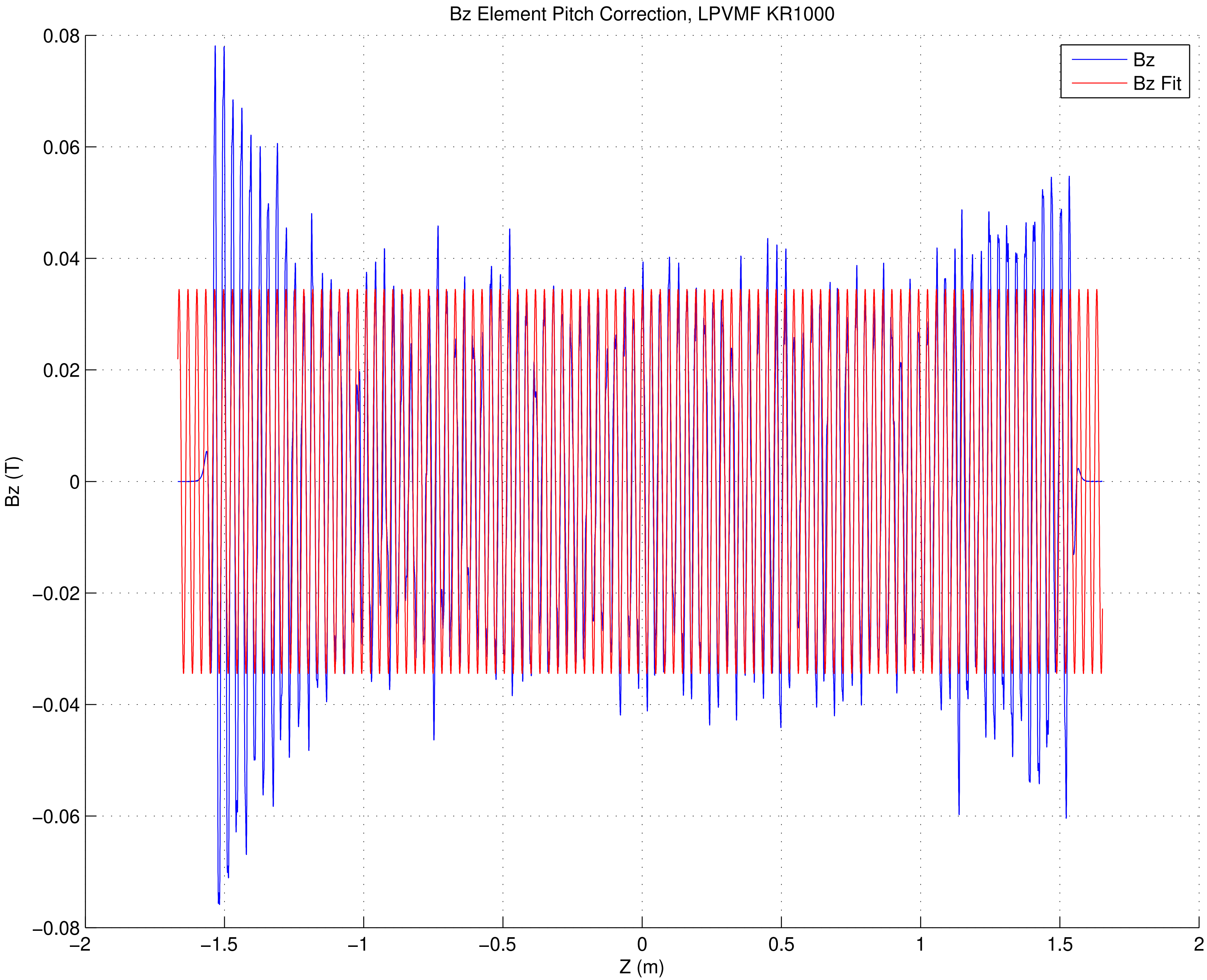

By Element Pitch Correction, CPLMF KR0000, Alpha = −5.2958
By
By Corr
By (T)
Z (m)
6
4
2
0
−2
−4
−6
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

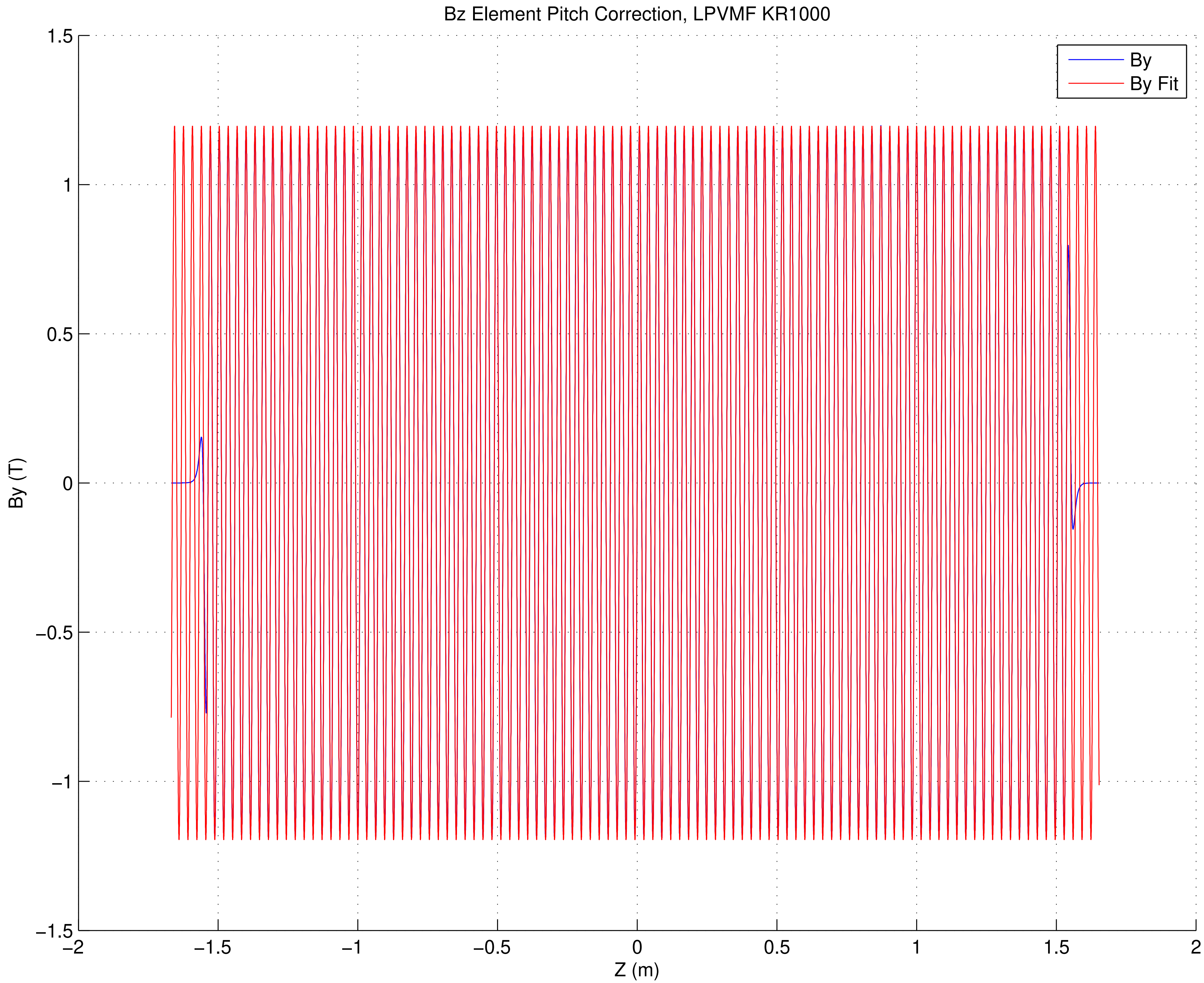


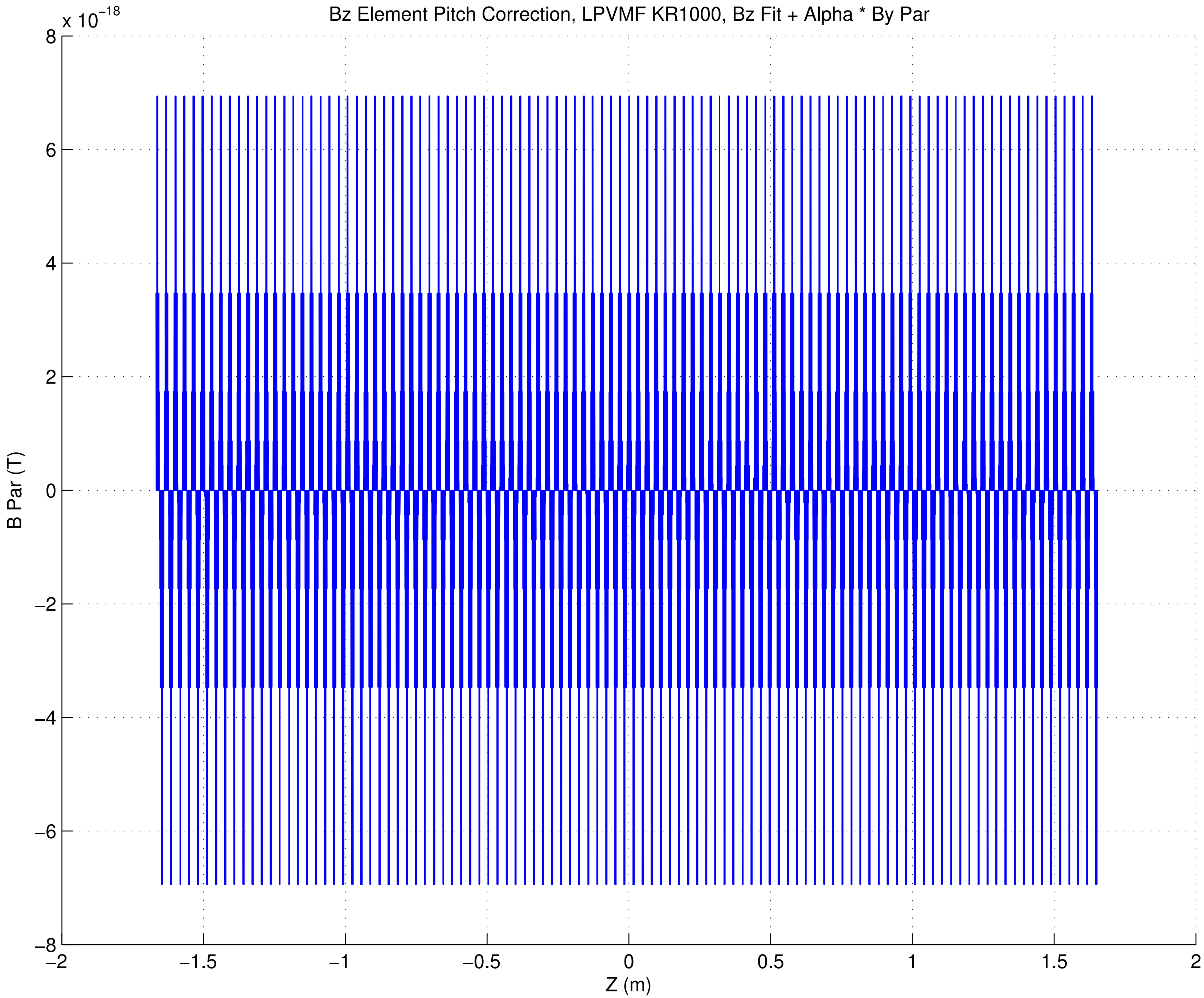
By Element Pitch Correction, CPLMF KR0000, By RMS vs Alpha
By RMS (T)
Alpha
3.31
3.3
3.29
3.28
3.27
3.26
3.25
3.24
−5.34
−5.33
−5.32
−5.31
−5.3
−5.29
−5.28
−5.27
−5.26
−5.25

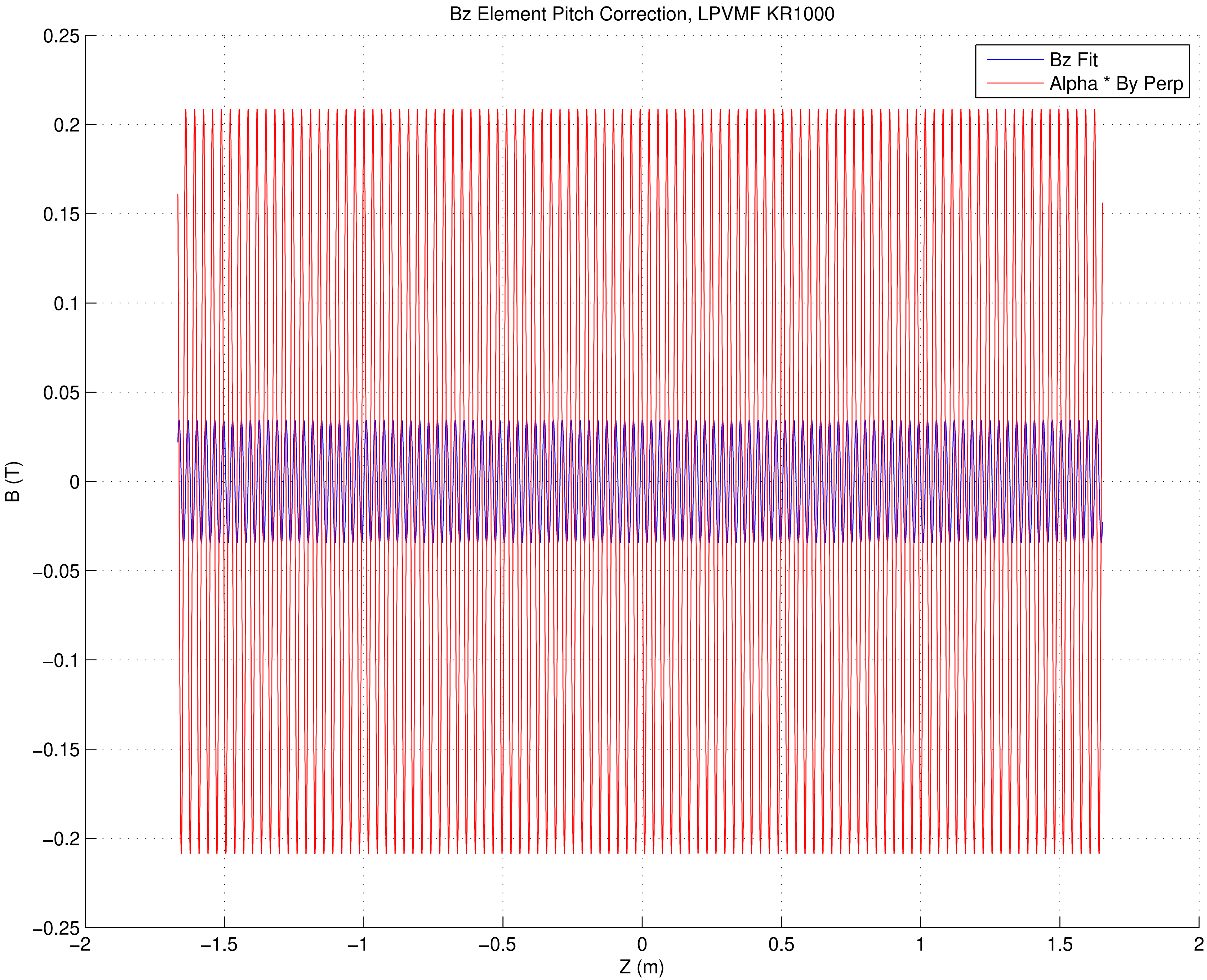

By Element Pitch Correction, CPLMF KR0000, By RMS vs Alpha
By RMS (T)
0.038
0.037
0.036
0.035
0.034
0.033
0.032
0.031
0.03
0.029
0.028
−0.04
−0.03
−0.02
−0.01
0
0.01
0.02
0.03
0.04
Alpha

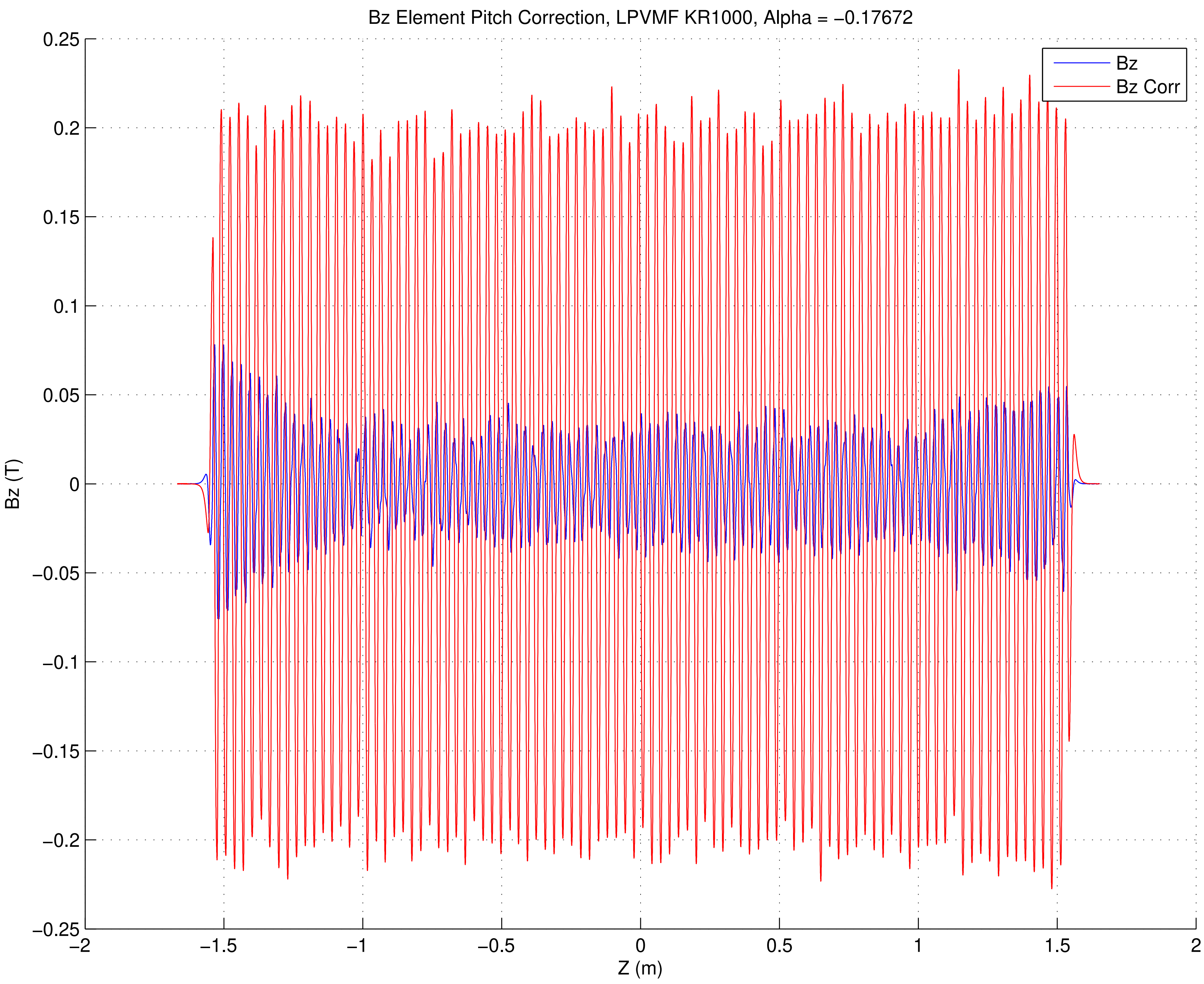

Bz Element Pitch Correction, LPVMF KR1000
Bz
By Scaled
B (T)
Z (m)
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2


Bz Element Pitch Correction, LPVMF KR1000
Bz
Bz Fit
Bz (T)
Z (m)
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

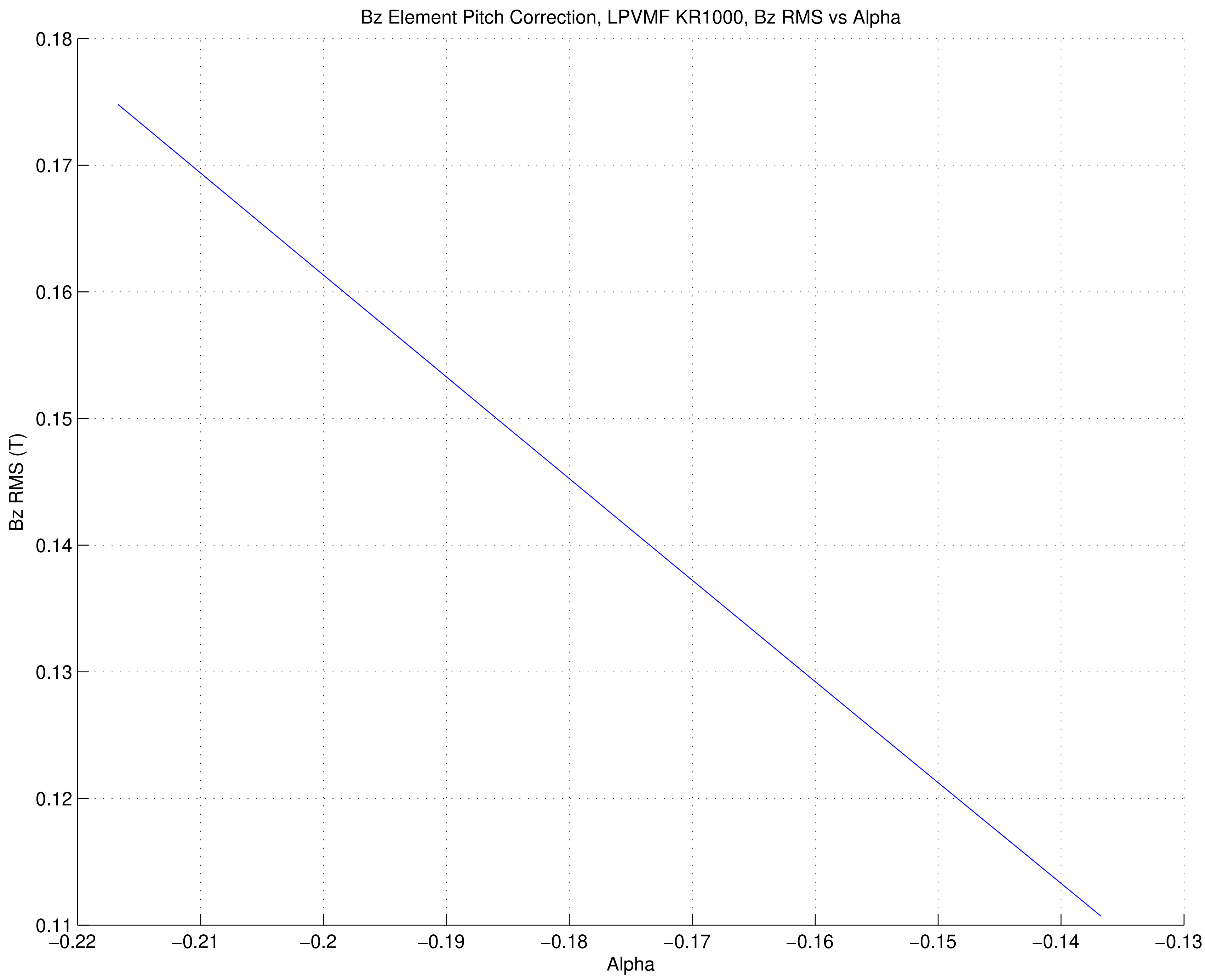

Bz Element Pitch Correction, LPVMF KR1000
By
By Fit
By (T)
Z (m)
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

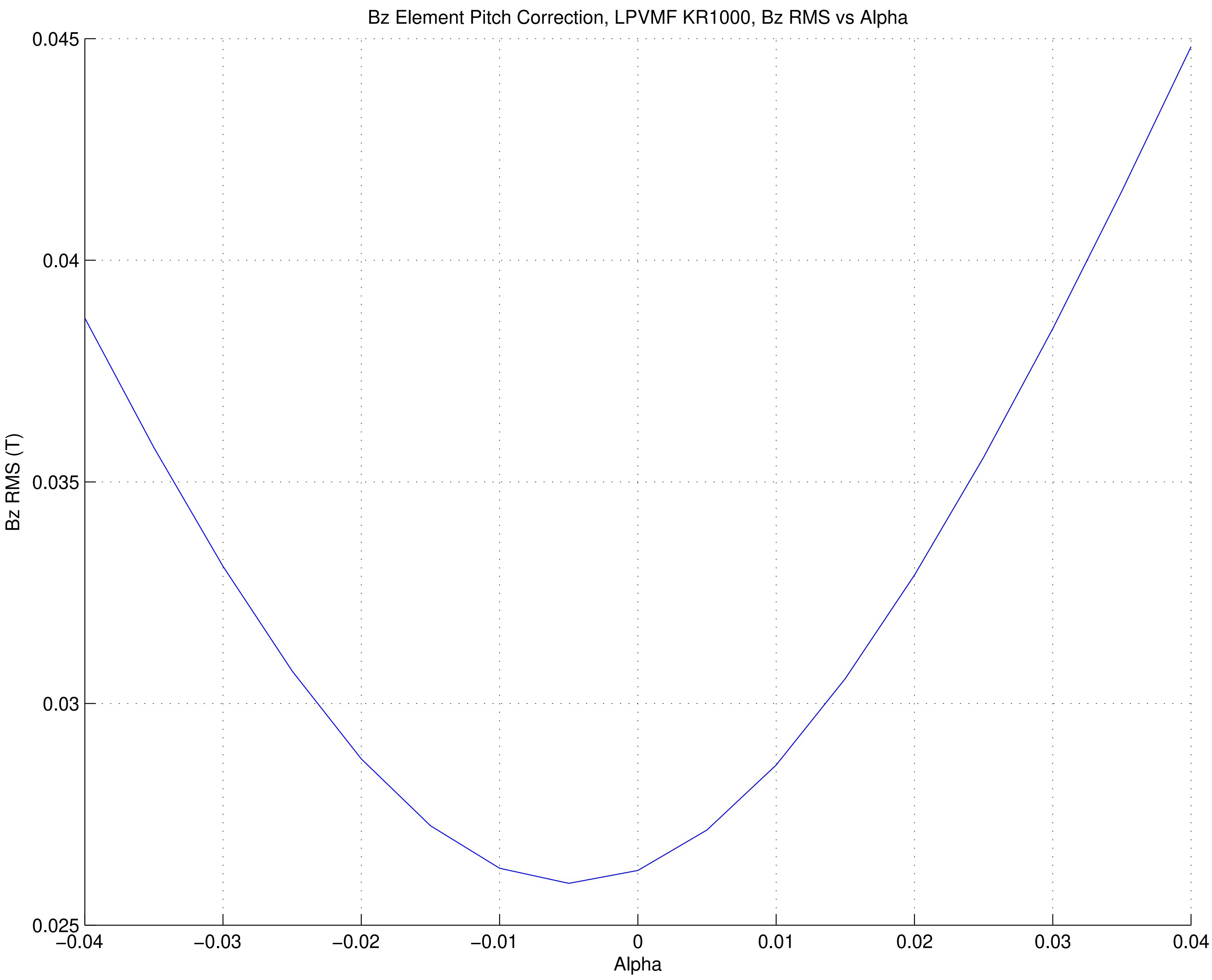

Bz Element Pitch Correction, LPVMF KR1000, Bz Fit + Alpha * By Par
x 10^−18
8
6
4
2
0
−2
−4
−6
−8
B Par (T)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
Z (m)

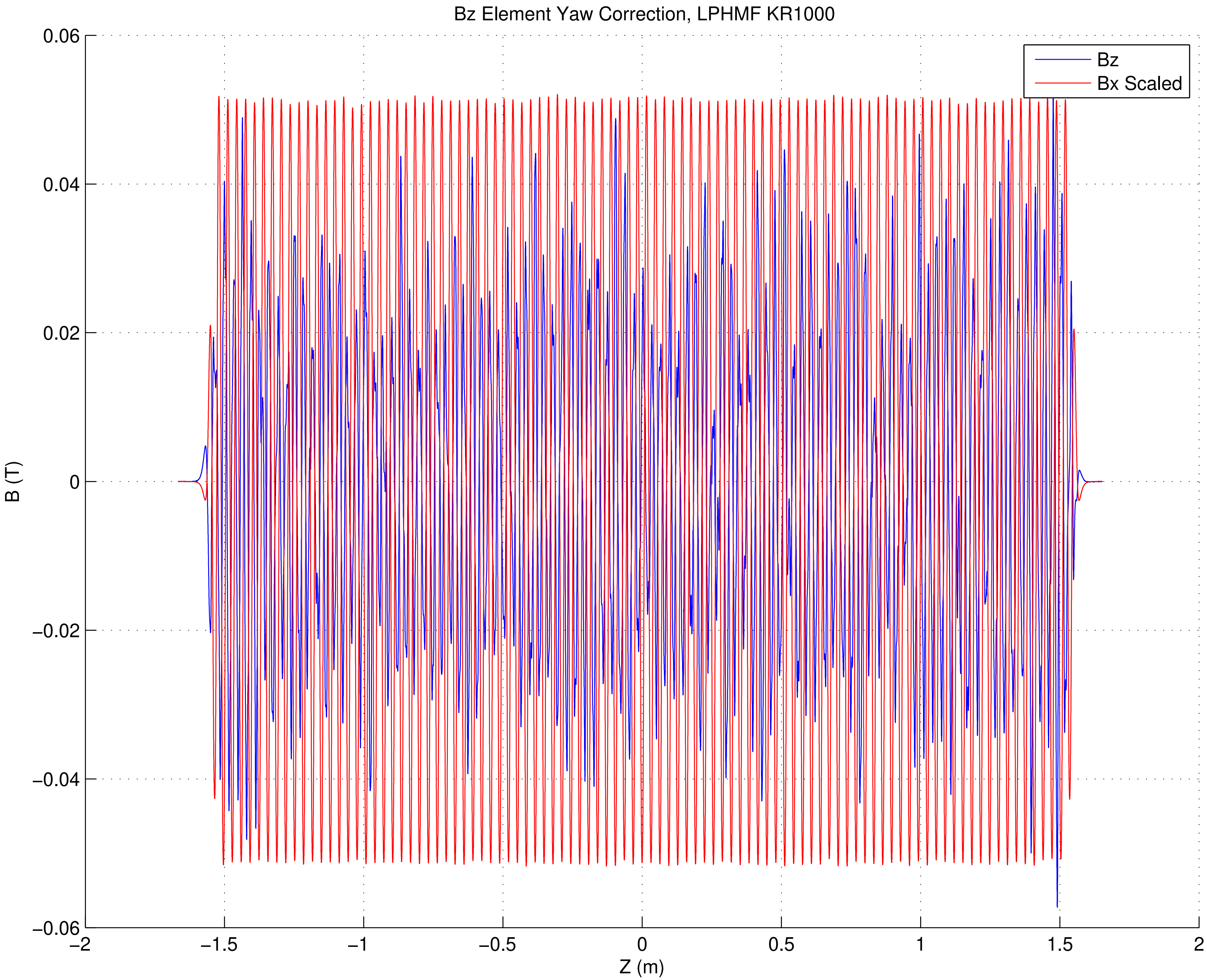

Bz Element Pitch Correction, LPVMF KR1000
Bz Fit
Alpha * By Perp
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
B (T)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
Z (m)

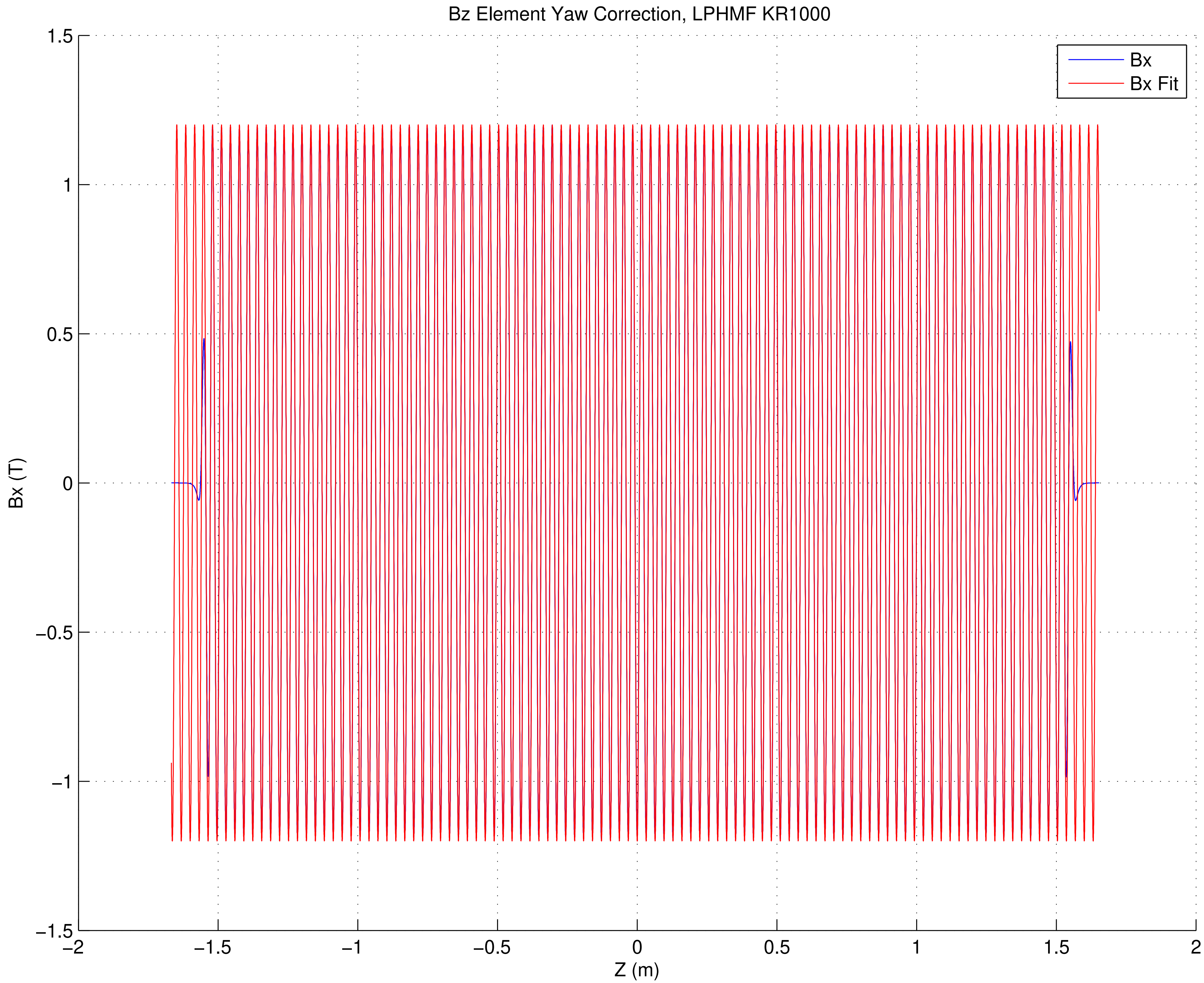


Bz Element Pitch Correction, LPVMF KR1000, Alpha = −0.17672
Bz
Bz Corr
Bz (T)
Z (m)
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

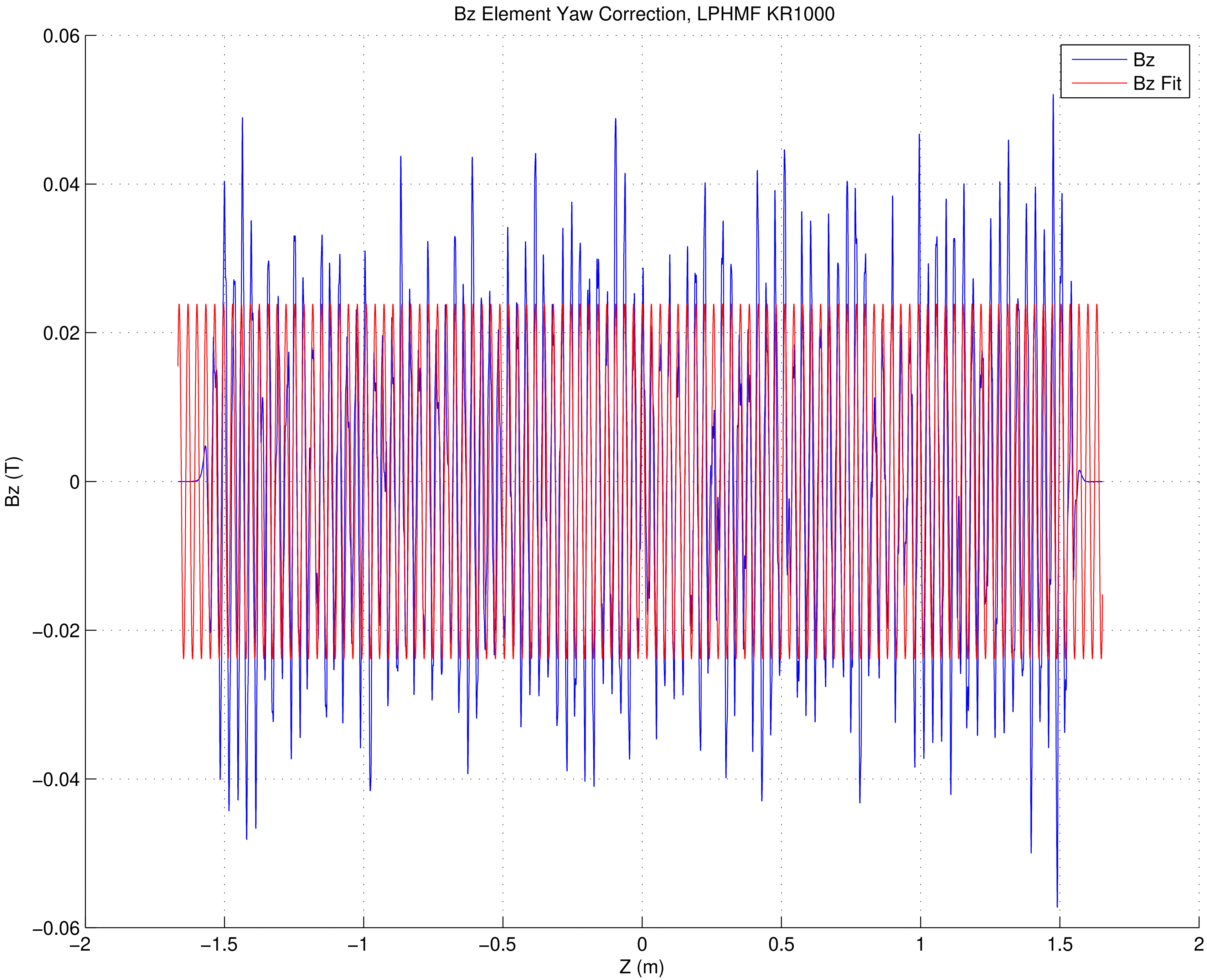

Bz Element Pitch Correction, LPVMF KR1000, Bz RMS vs Alpha
Bz RMS (T)
0.18
0.17
0.16
0.15
0.14
0.13
0.12
0.11
−0.22
−0.21
−0.2
−0.19
−0.18
−0.17
−0.16
−0.15
−0.14
−0.13
Alpha


Bz Element Pitch Correction, LPVMF KR1000, Bz RMS vs Alpha
0.045
0.04
0.035
0.03
0.025
Bz RMS (T)
−0.04
−0.03
−0.02
−0.01
0
0.01
0.02
0.03
0.04
Alpha

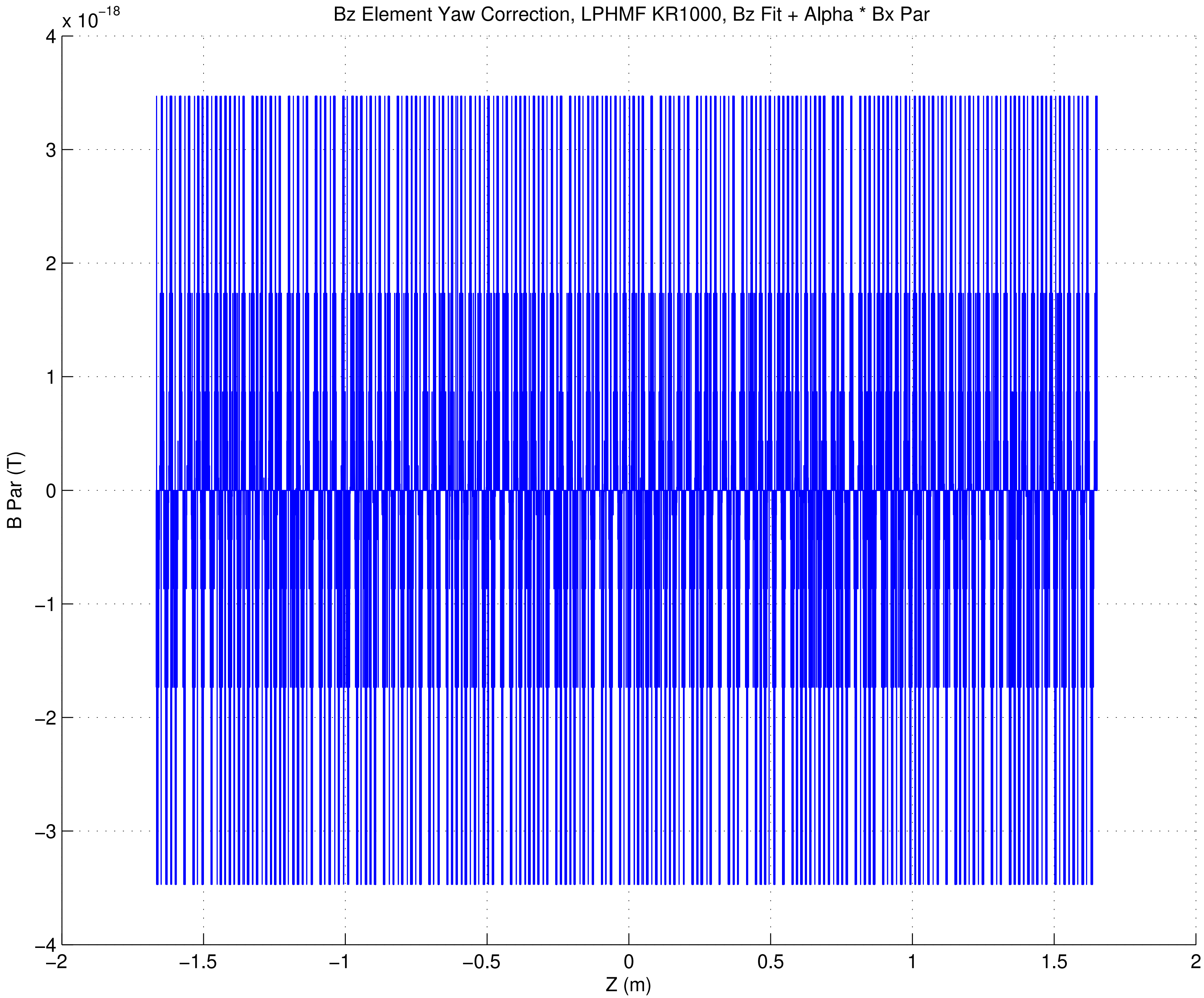

Bz Element Yaw Correction, LPHMF KR1000
Bz
Bx Scaled
B (T)
Z (m)
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2



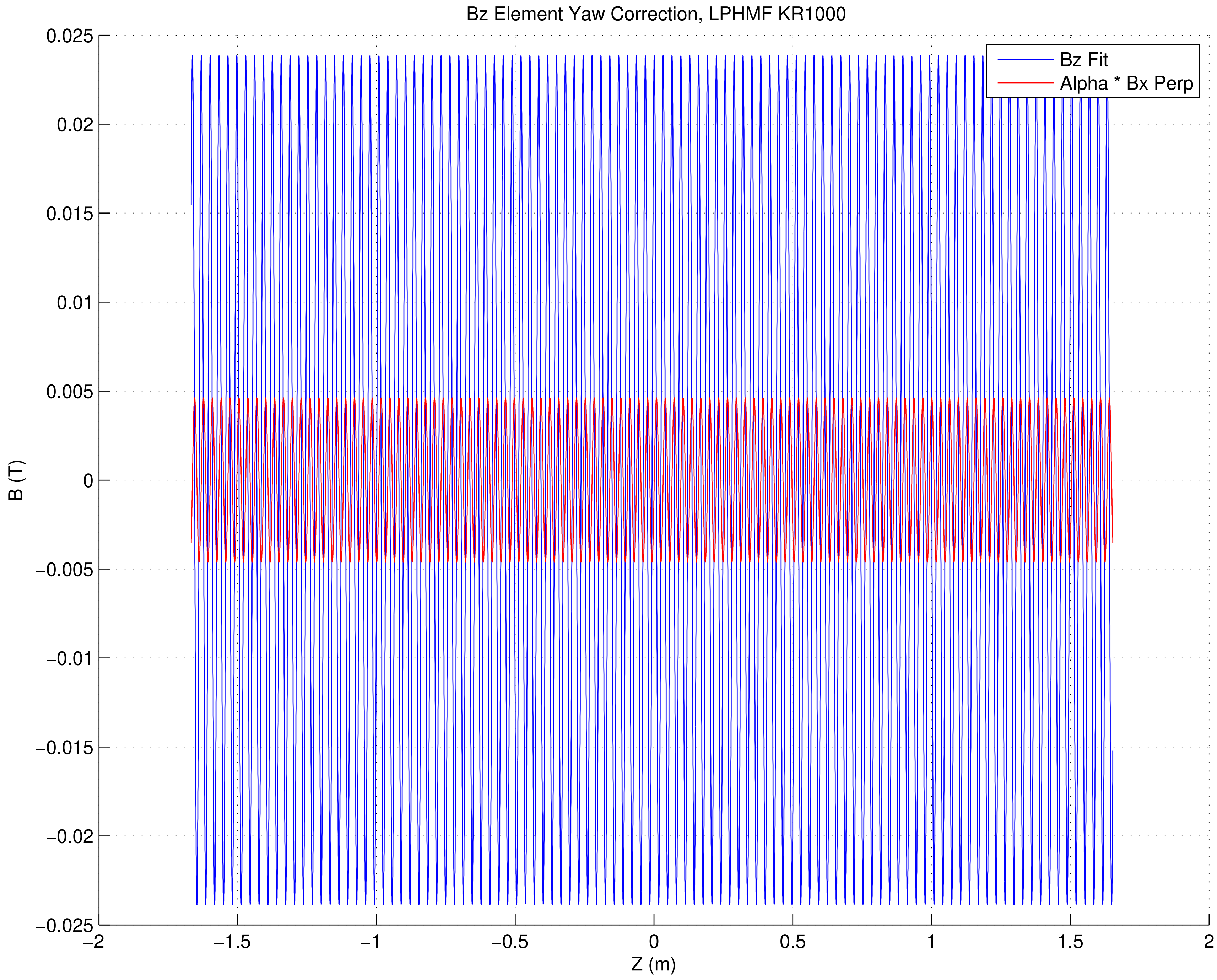
Bz Element Yaw Correction, LPHMF KR1000
Bx
Bx Fit
Bx (T)
Z (m)
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

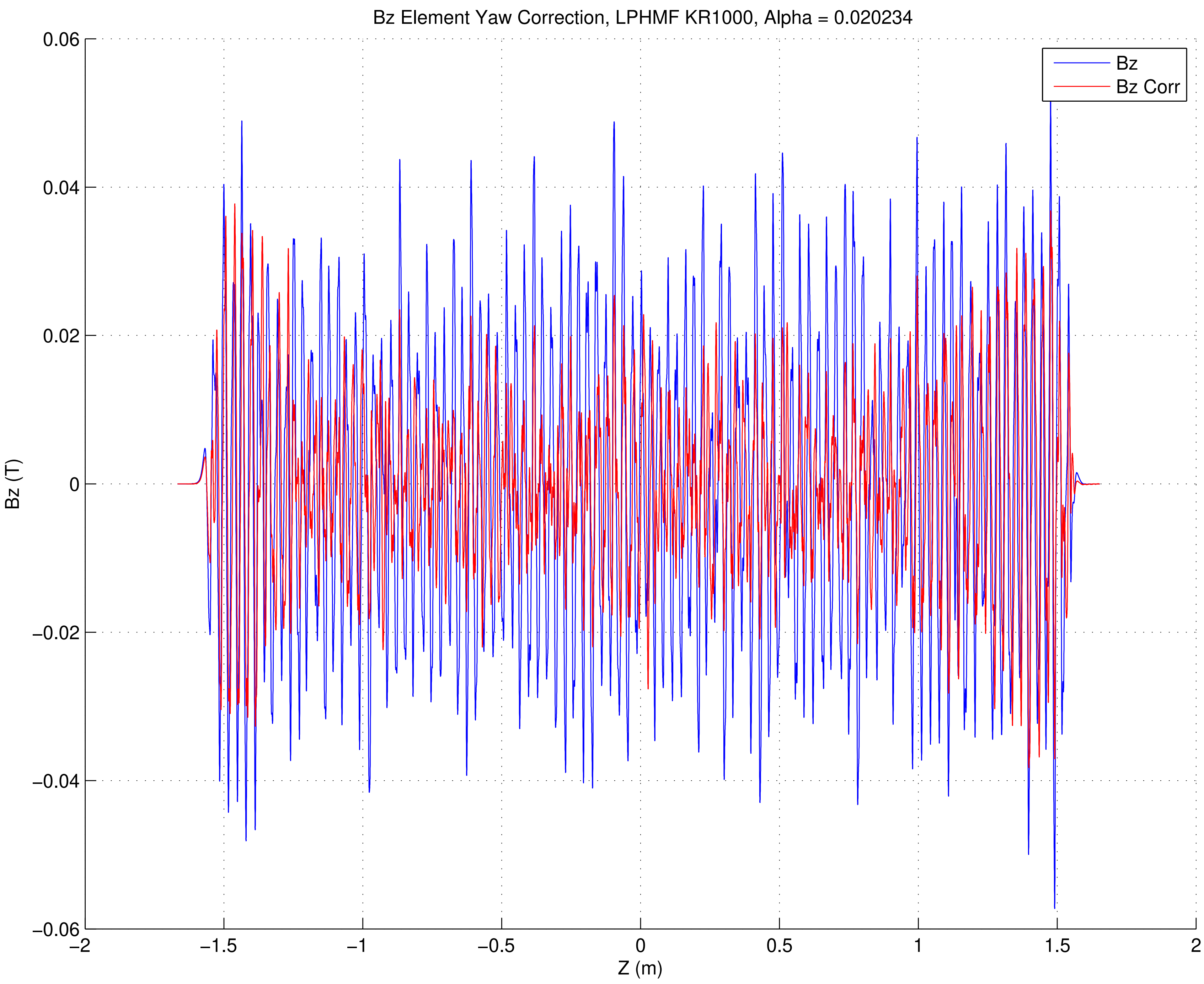


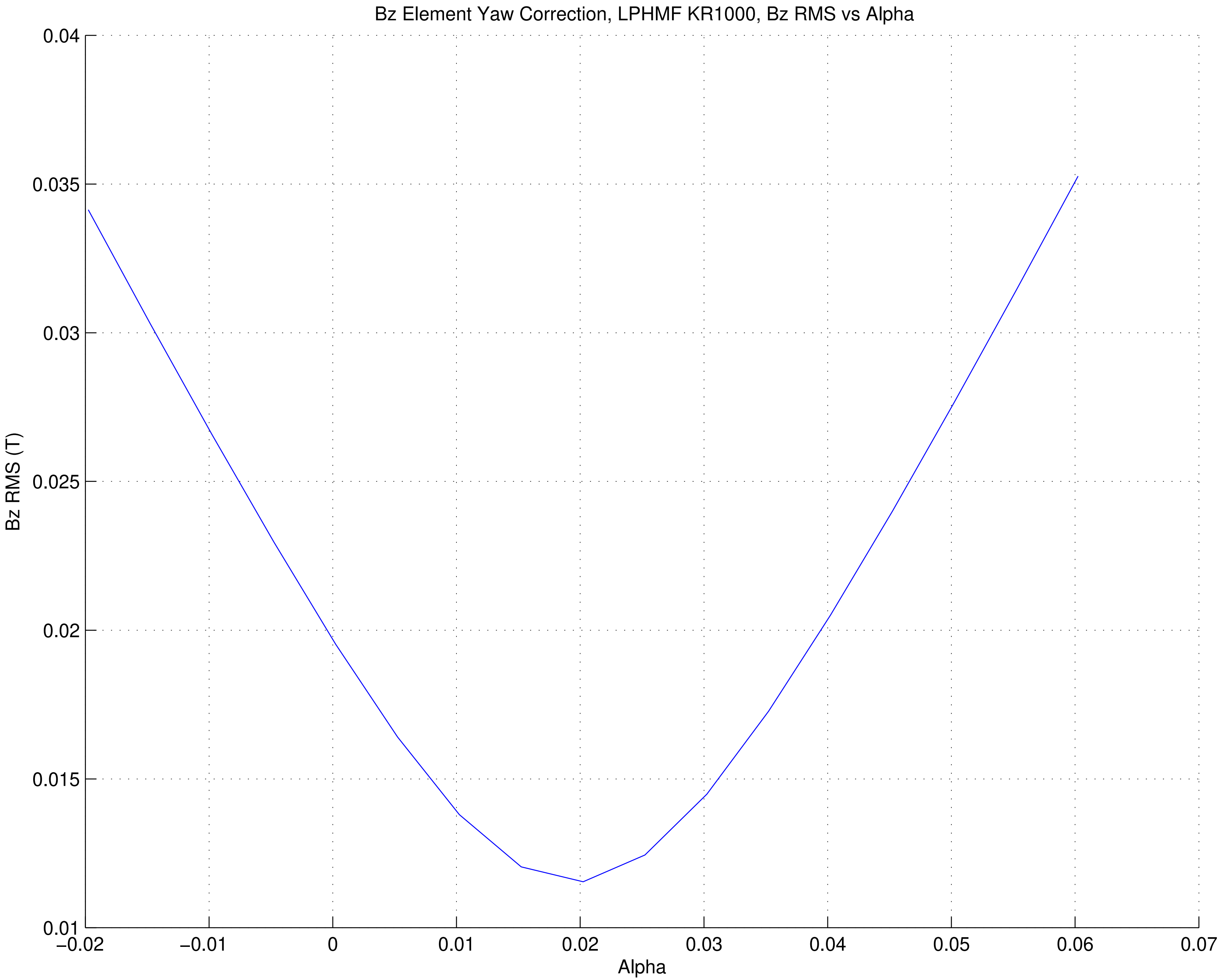
Bz Element Yaw Correction, LPHMF KR1000
Bz
Bz Fit
Bz (T)
Z (m)
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2



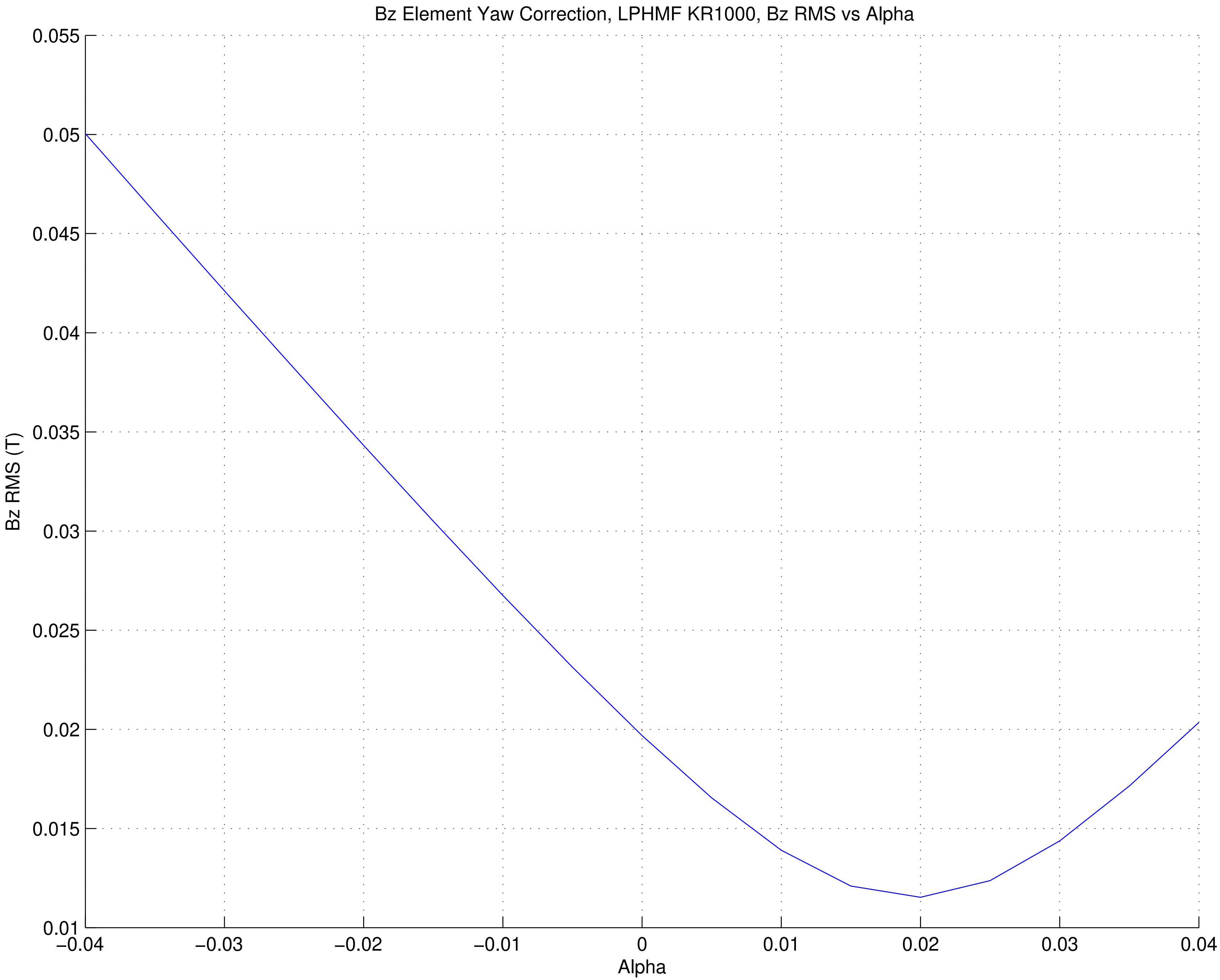
Bz Element Yaw Correction, LPHMF KR1000, Bz Fit + Alpha * Bx Par
x 10^-18
4
3
2
1
0
−1
−2
−3
−4
B Par (T)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
Z (m)


Bz Element Yaw Correction, LPHMF KR1000
Bz Fit
Alpha * Bx Perp
B (T)
Z (m)
0.025
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2


Bz Element Yaw Correction, LPHMF KR1000, Alpha = 0.020234
Bz
Bz Corr
Bz (T)
Z (m)
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2



Bz Element Yaw Correction, LPHMF KR1000, Bz RMS vs Alpha
Bz RMS (T)
0.04
0.035
0.03
0.025
0.02
0.015
0.01
–0.02
–0.01
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
Alpha



Bz Element Yaw Correction, LPHMF KR1000, Bz RMS vs Alpha
Bz RMS (T)
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
−0.04
−0.03
−0.02
−0.01
0
0.01
0.02
0.03
0.04
Alpha