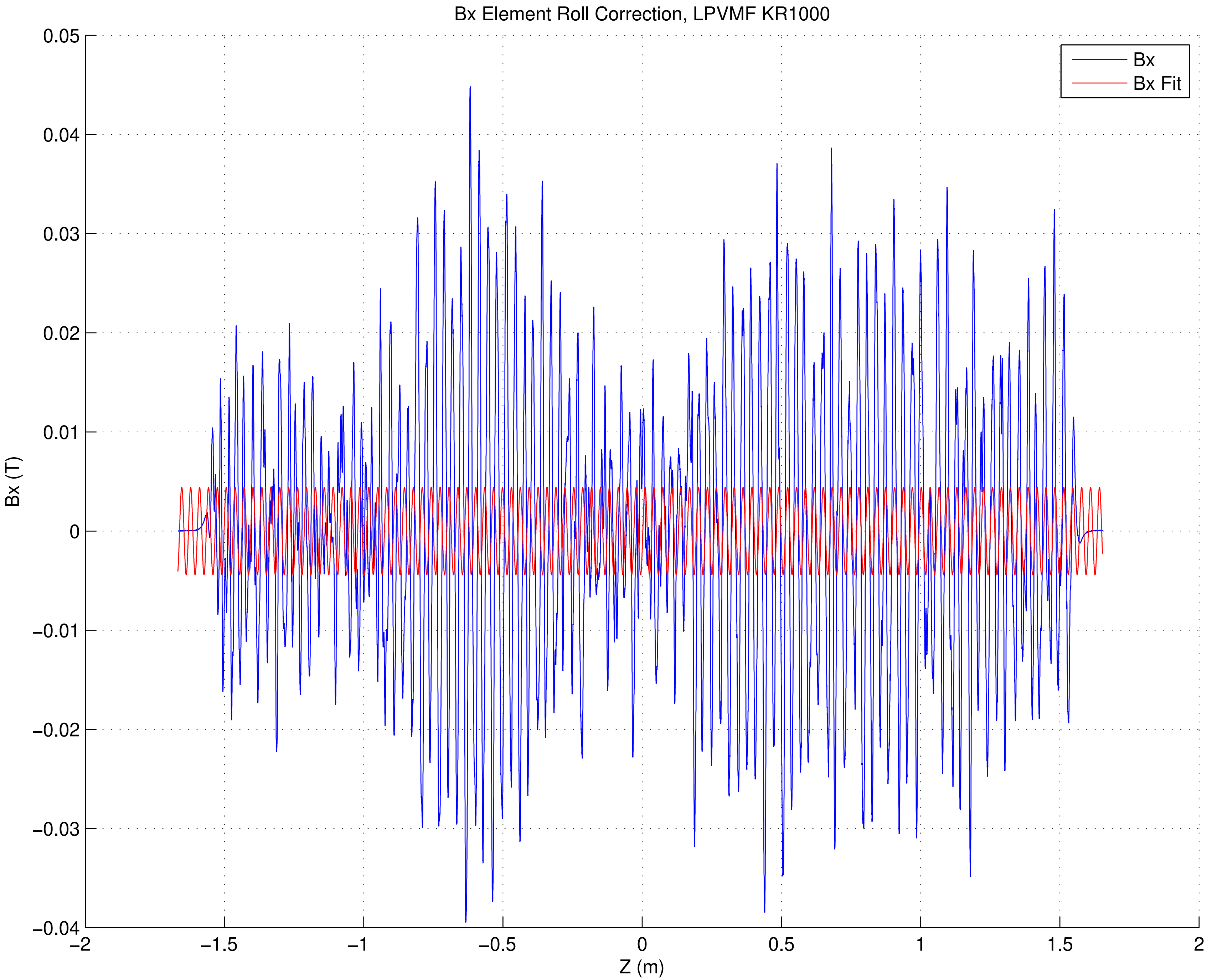
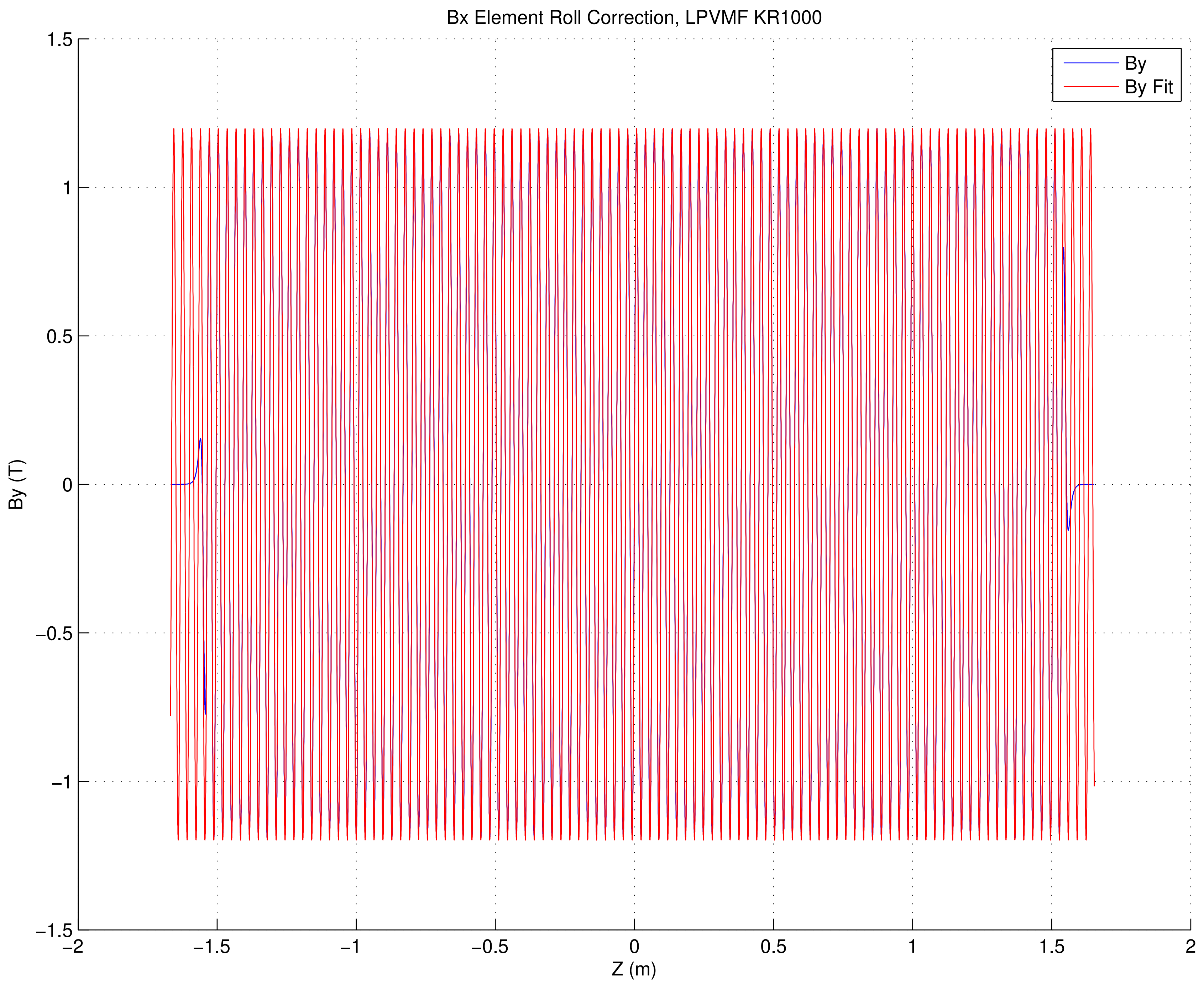
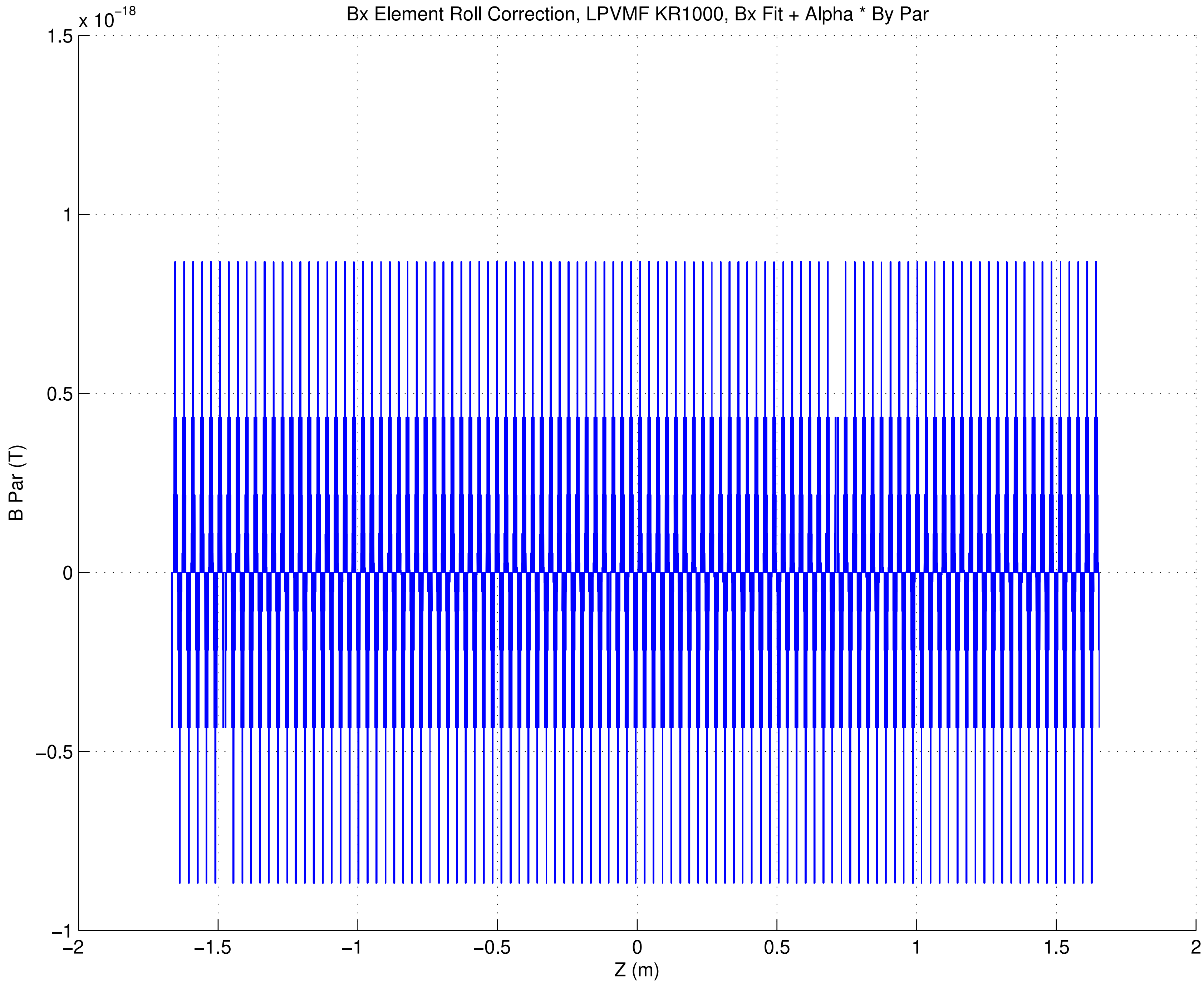
SLAC Magnetic Measurements
Date: 01–06–2015
Time: 15:46:52

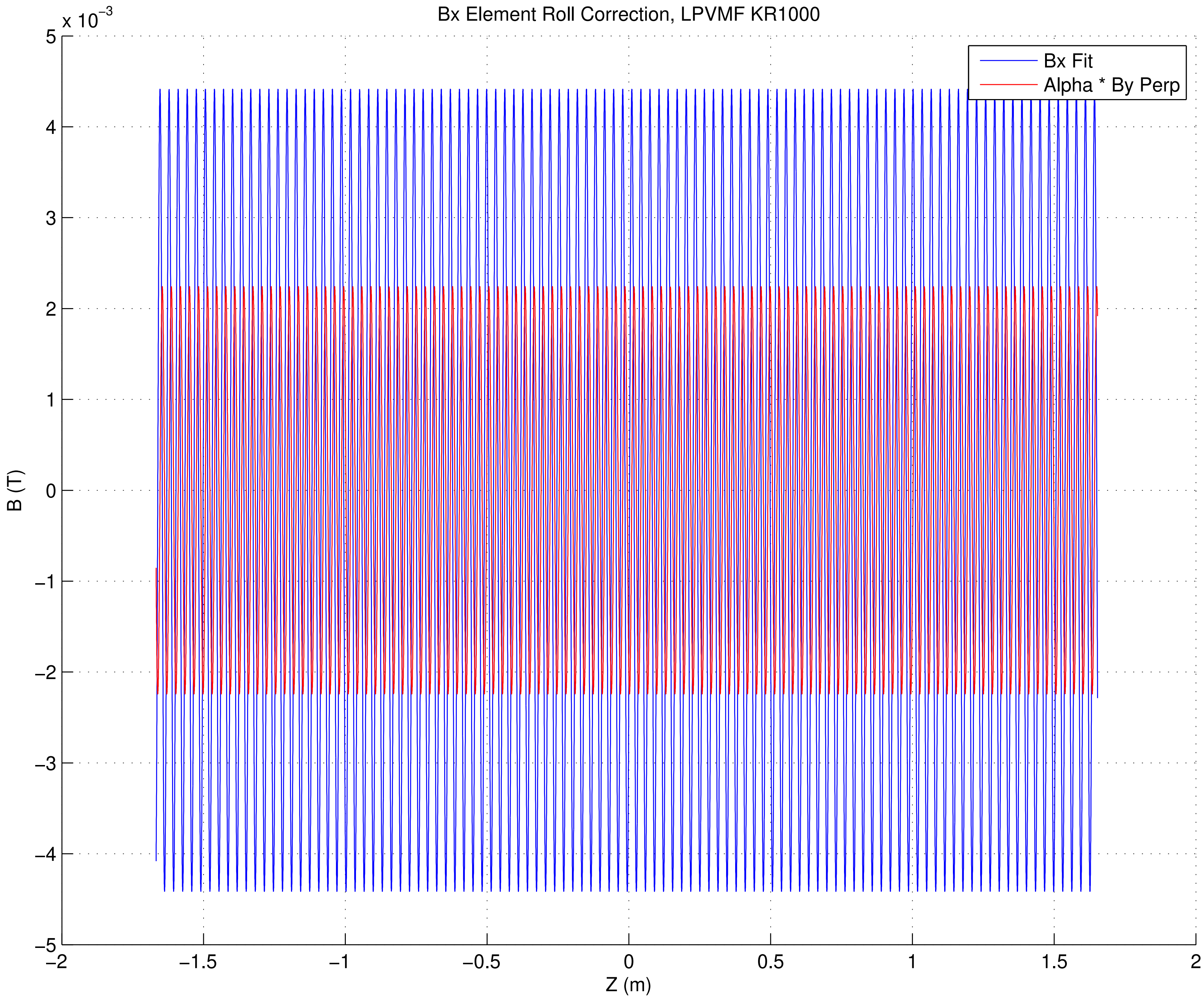


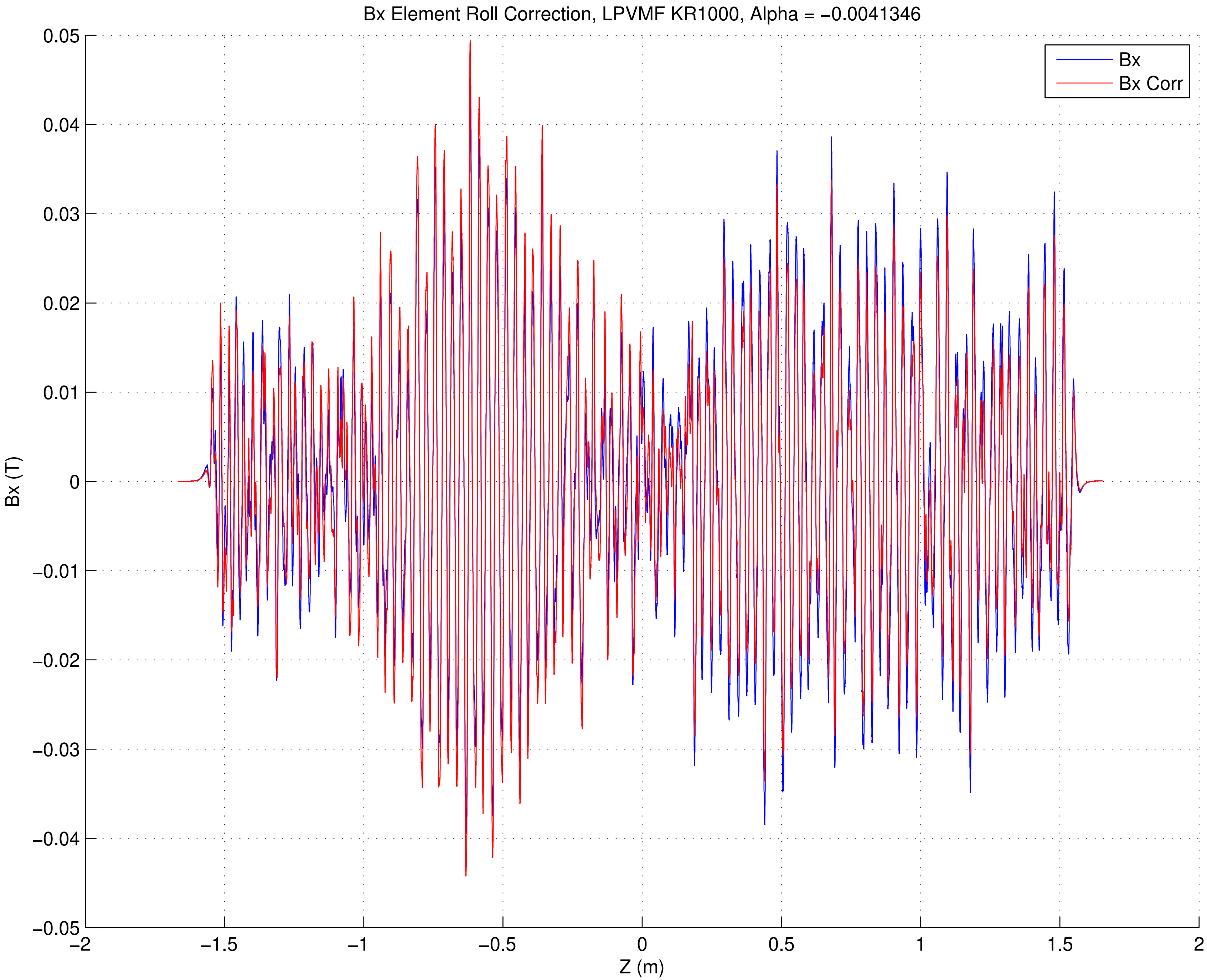
Bx Element Roll Correction, LPVMF KR1000
Bx
Bx Fit
Bx (T)
Z (m)
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2



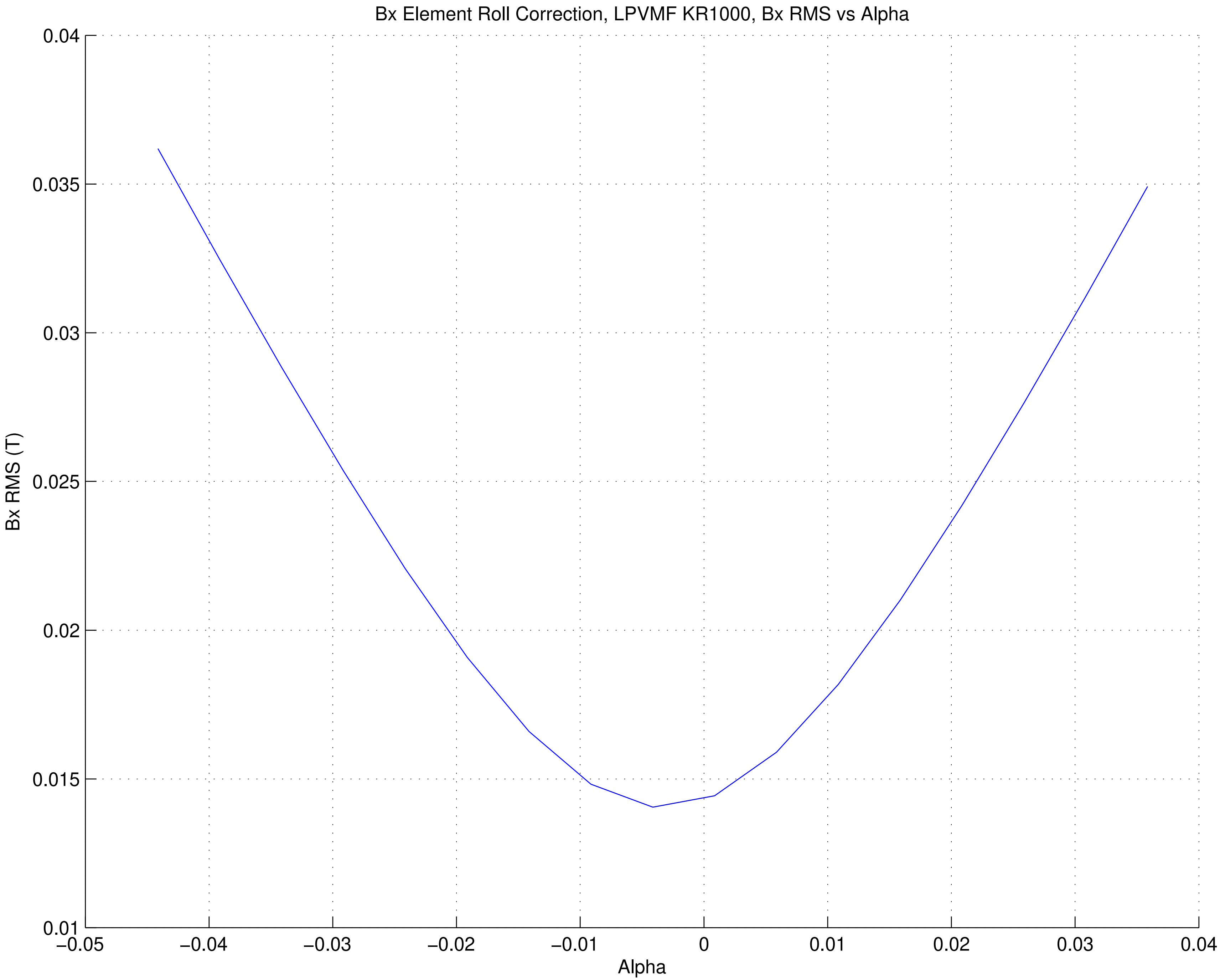
Bx Element Roll Correction, LPVMF KR1000
By
By Fit
By (T)
Z (m)
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2


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

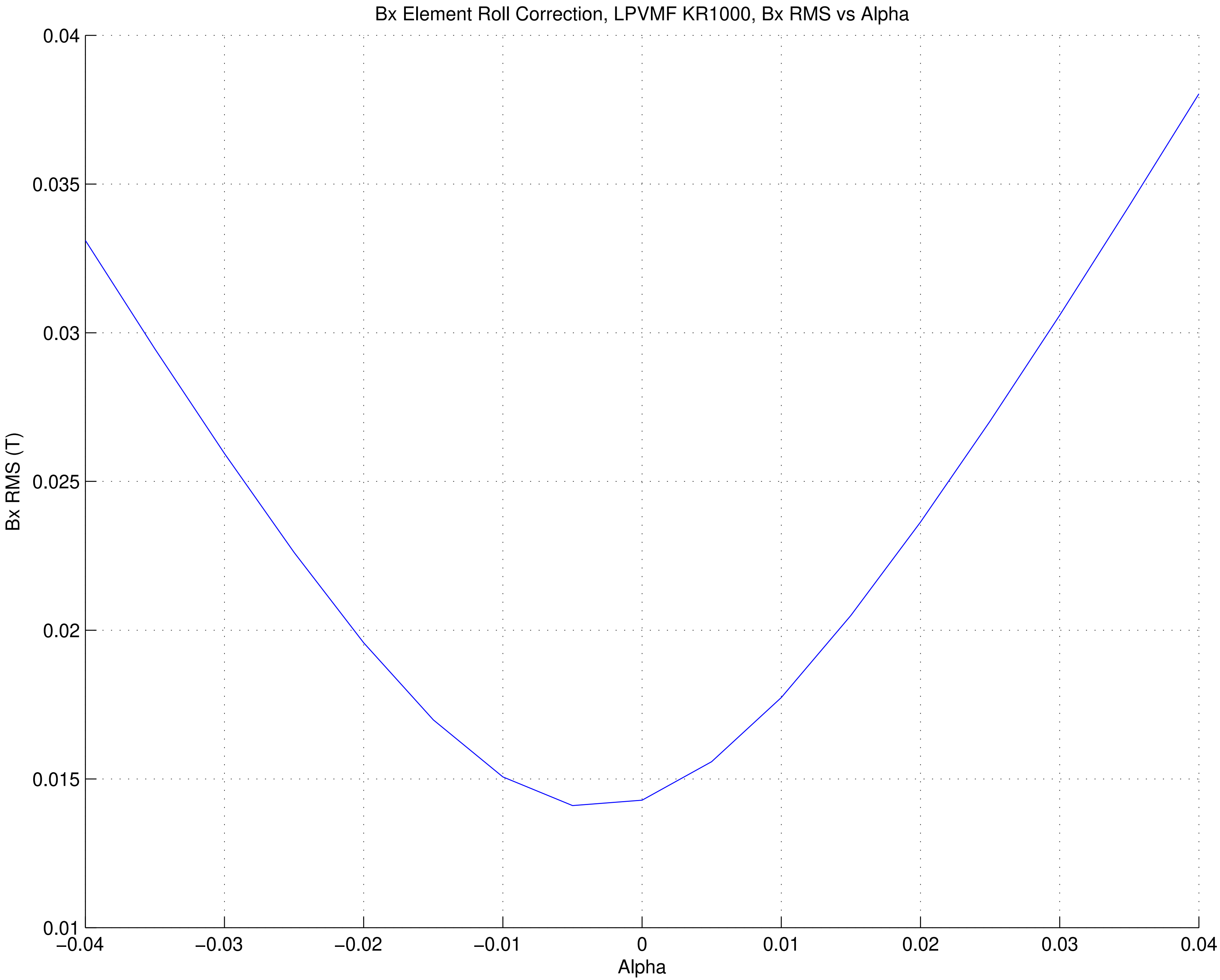

Bx Element Roll Correction, LPVMF KR1000
x 10^-3
5
4
3
2
1
0
−1
−2
−3
−4
−5
B (T)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
Z (m)
Bx Fit
Alpha * By Perp

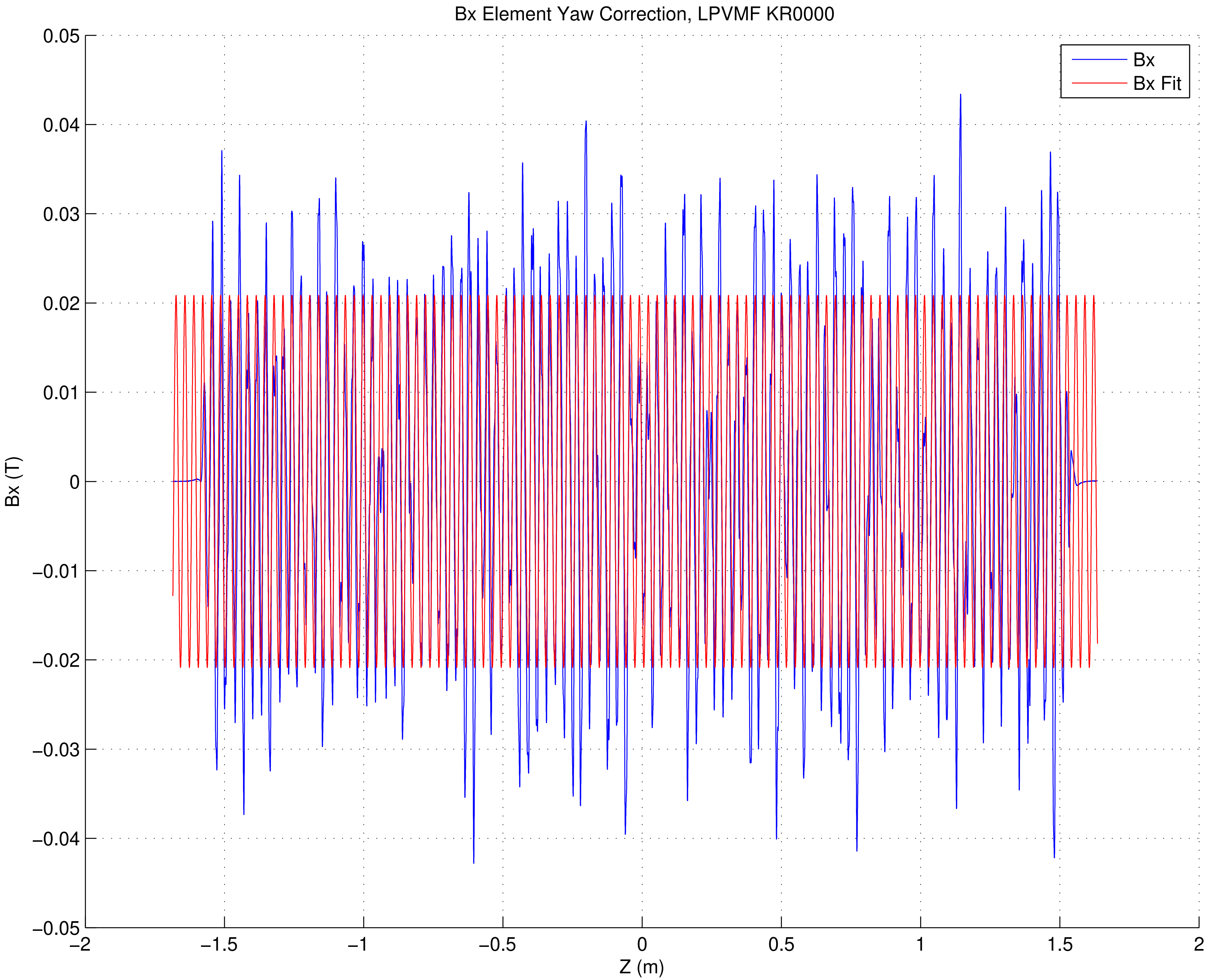


Bx Element Roll Correction, LPVMF KR1000, Alpha = −0.0041346
Bx
Bx Corr
Bx (T)
Z (m)
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

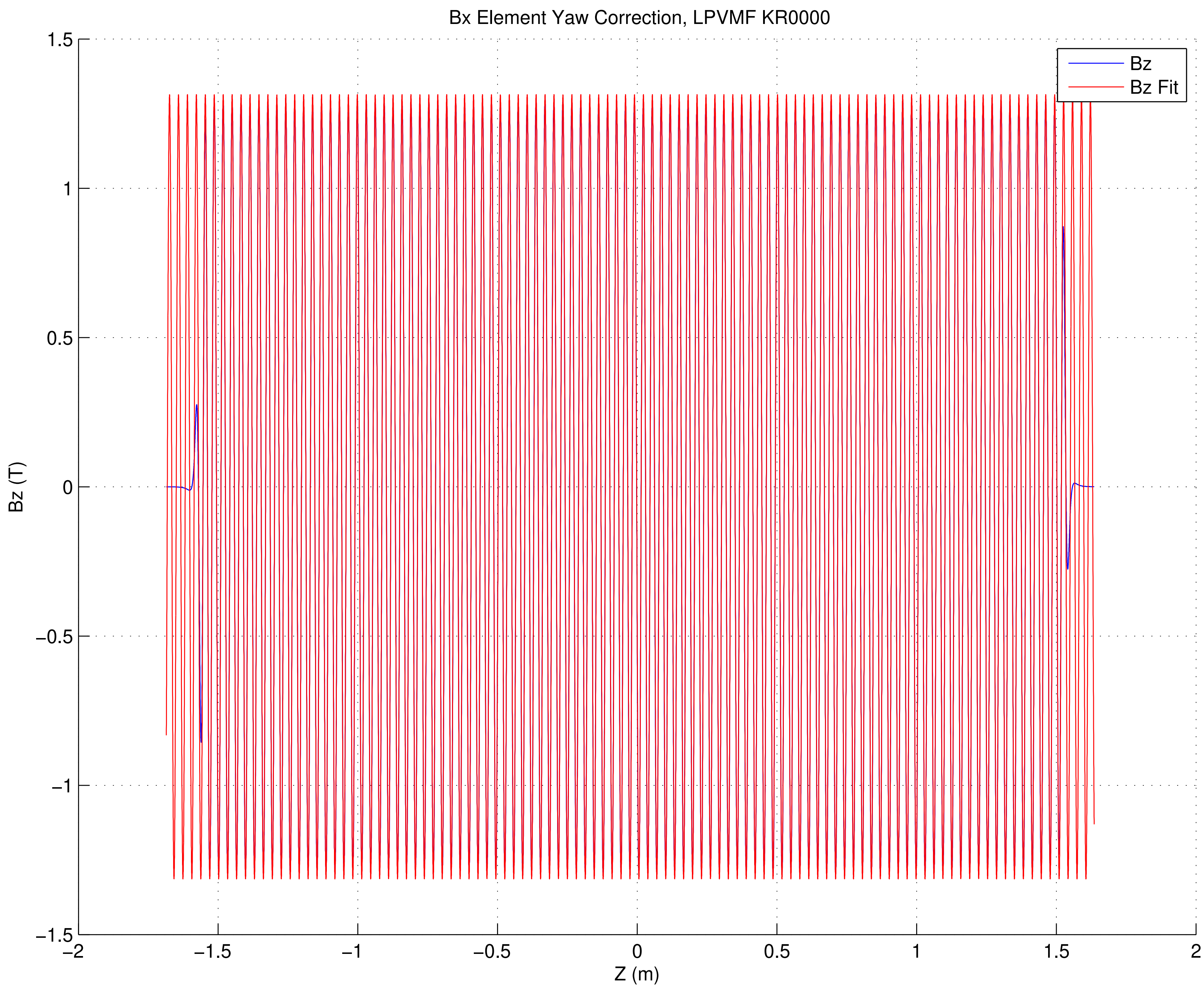


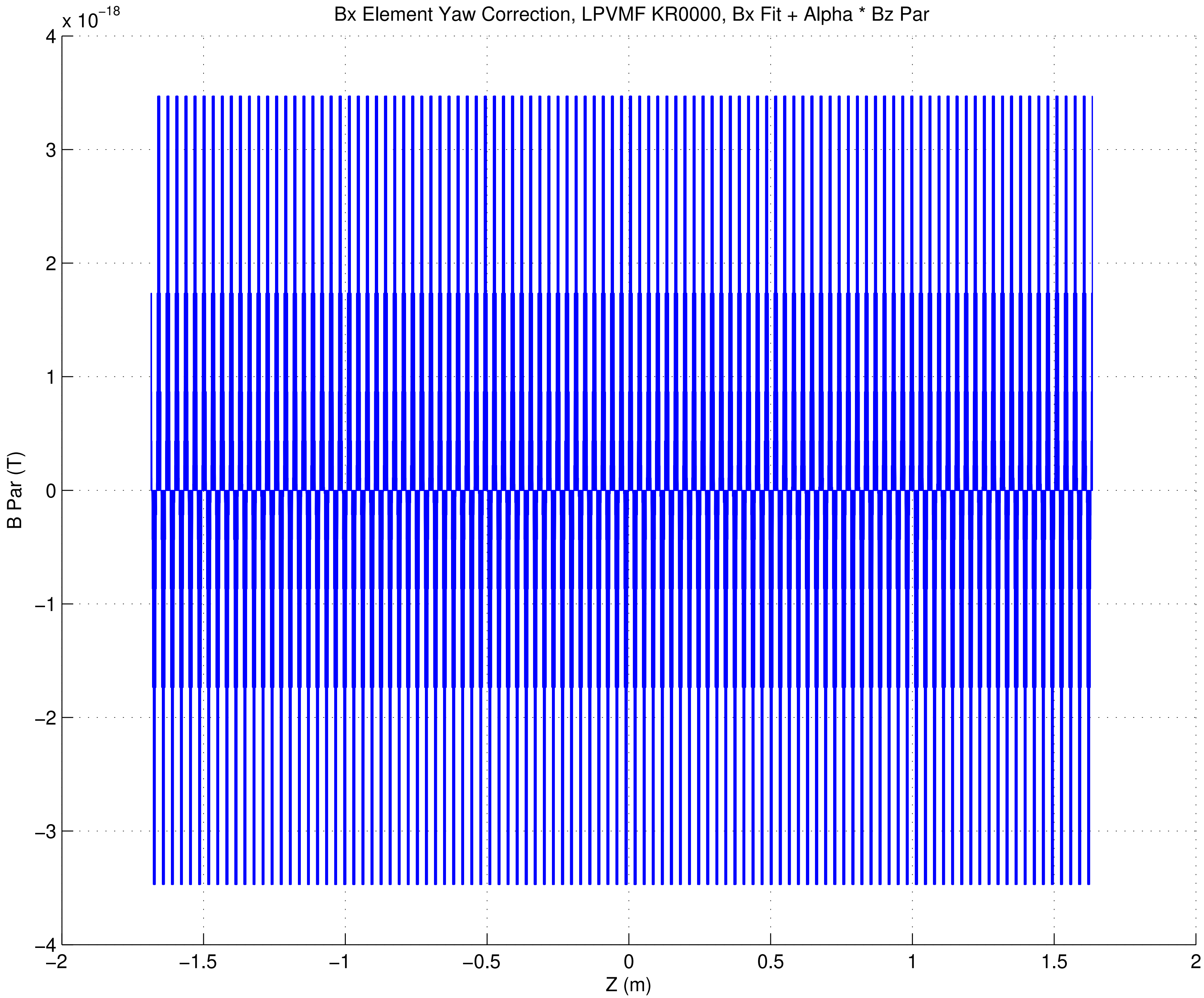
Bx Element Roll Correction, LPVMF KR1000, Bx RMS vs Alpha
Bx RMS (T)
0.04
0.035
0.03
0.025
0.02
0.015
0.01
−0.05
−0.04
−0.03
−0.02
−0.01
0
0.01
0.02
0.03
0.04
Alpha


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

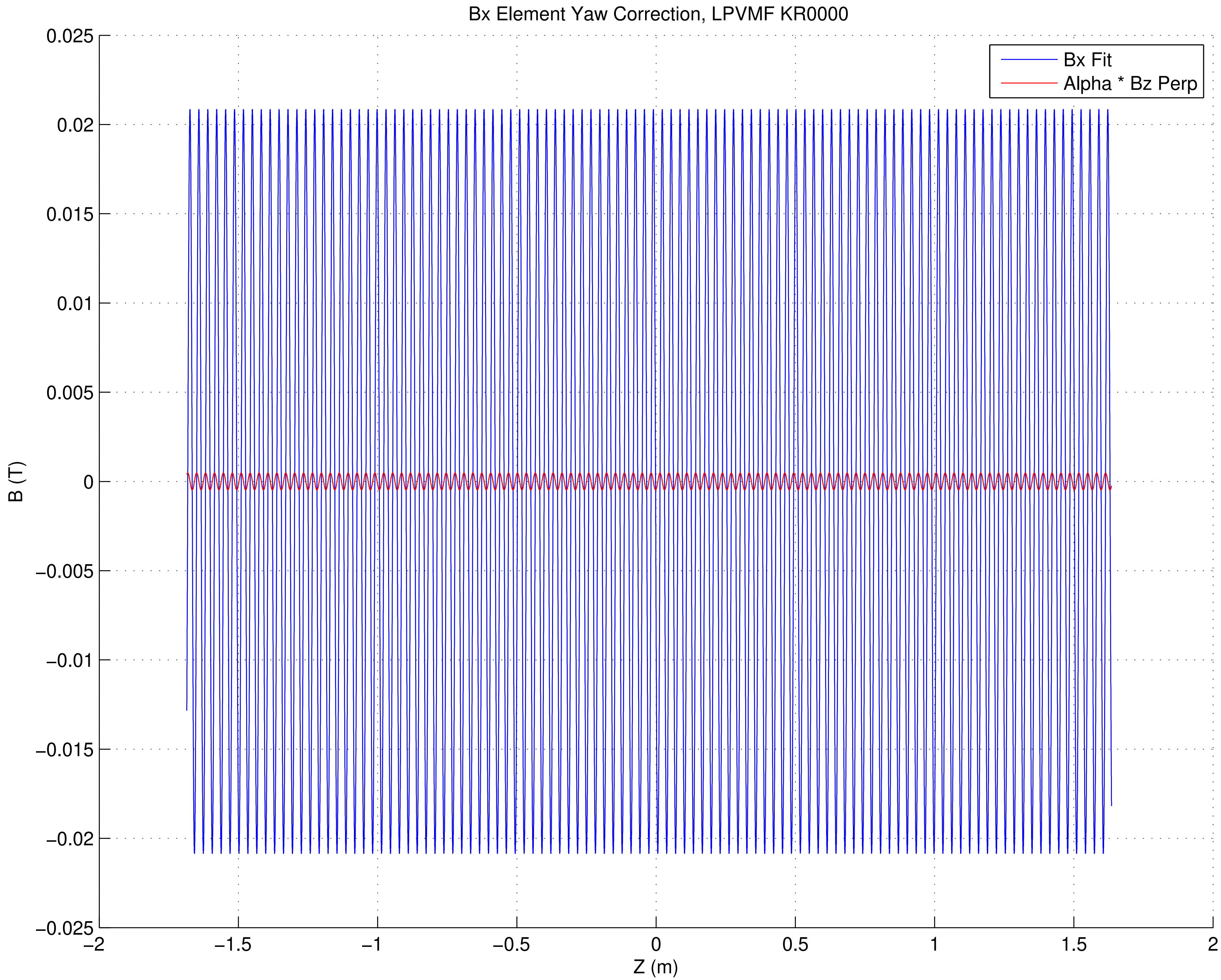


Bx Element Yaw Correction, LPVMF KR0000
Bx
Bx Fit
Bx (T)
Z (m)
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

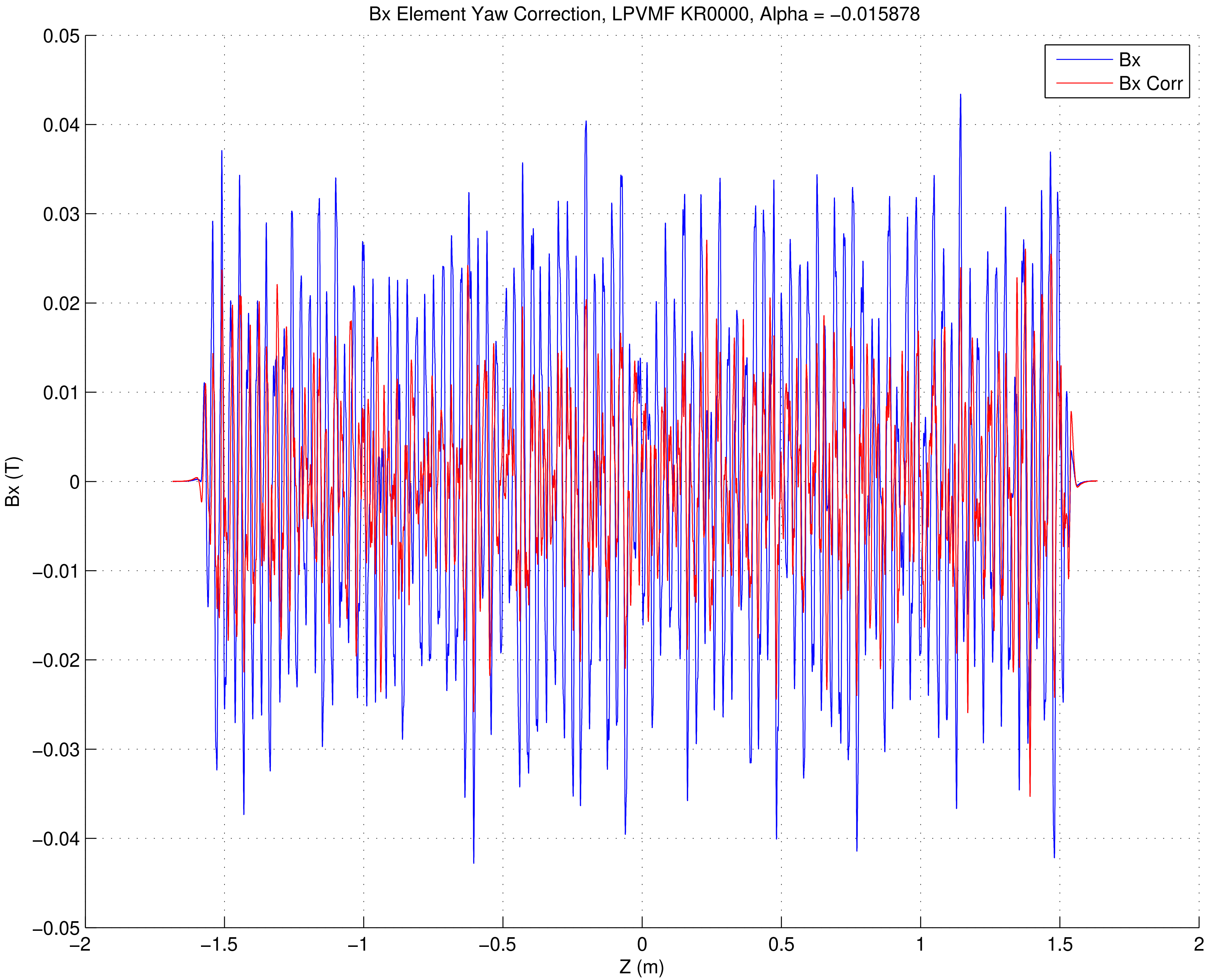

Bx Element Yaw Correction, LPVMF KR0000
Bz
Bz Fit
Bz (T)
Z (m)
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2



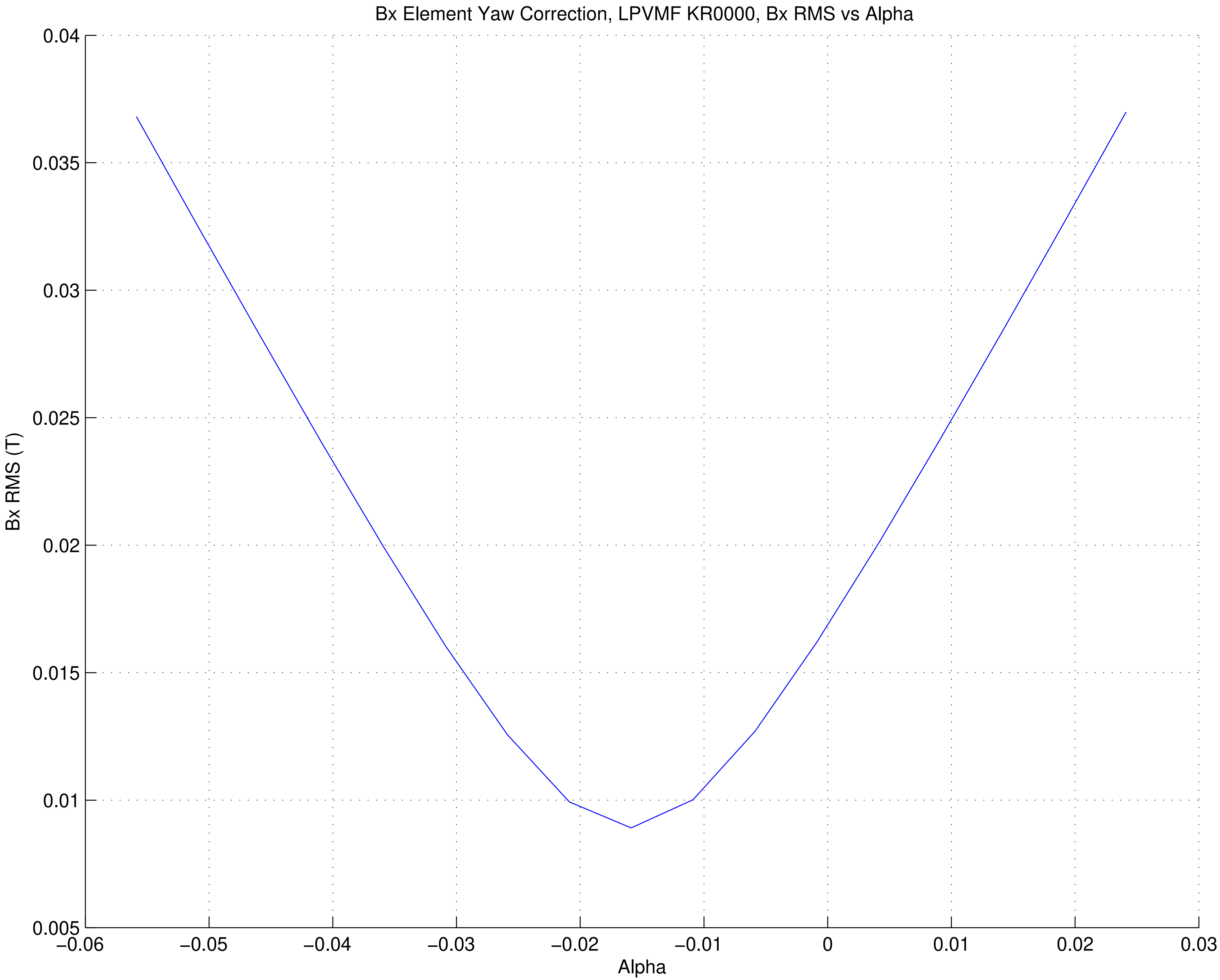
Bx Element Yaw Correction, LPVMF KR0000, Bx Fit + Alpha * Bz Par
x 10^−18
4
3
2
1
0
−1
−2
−3
−4
B Par (T)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
Z (m)

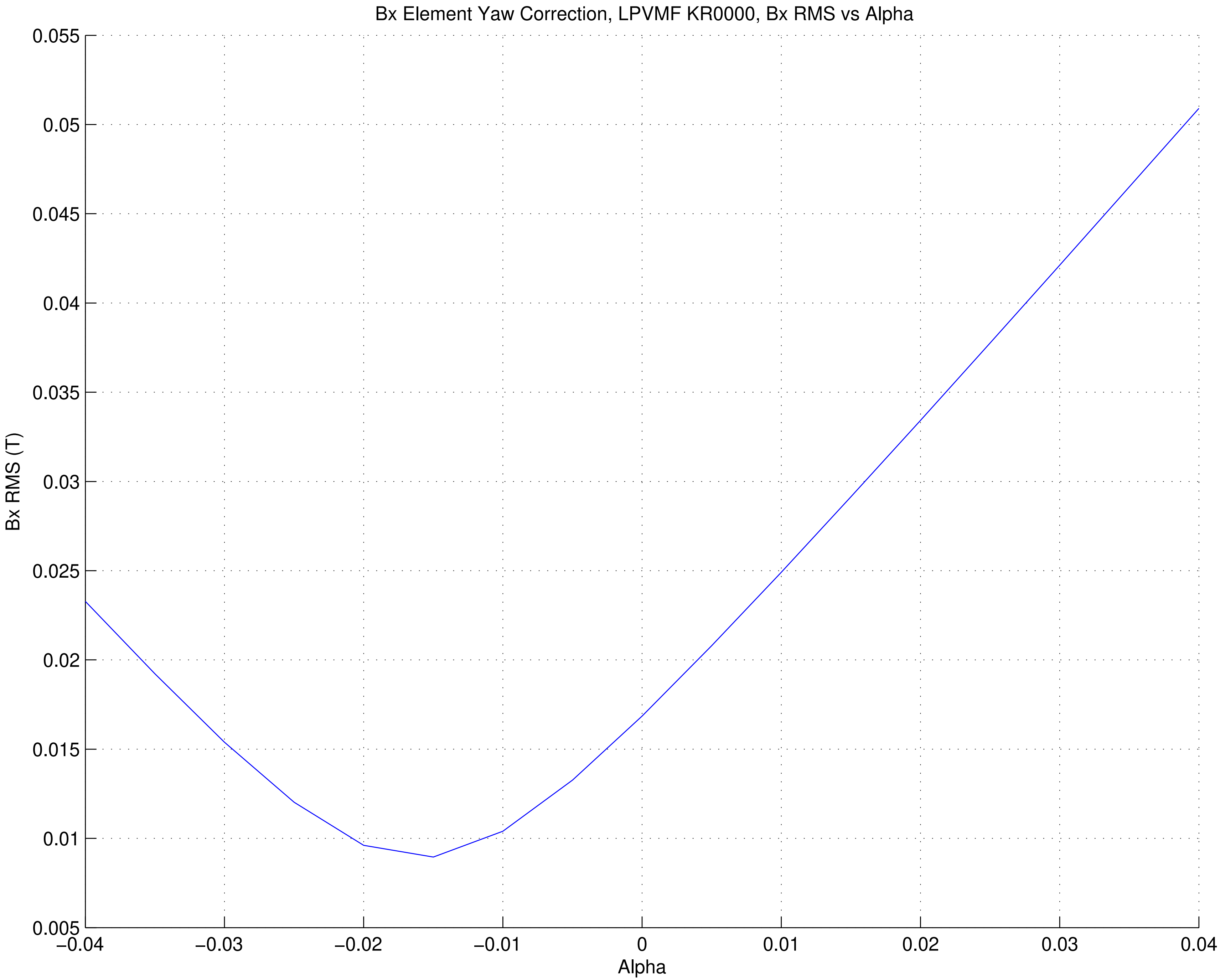


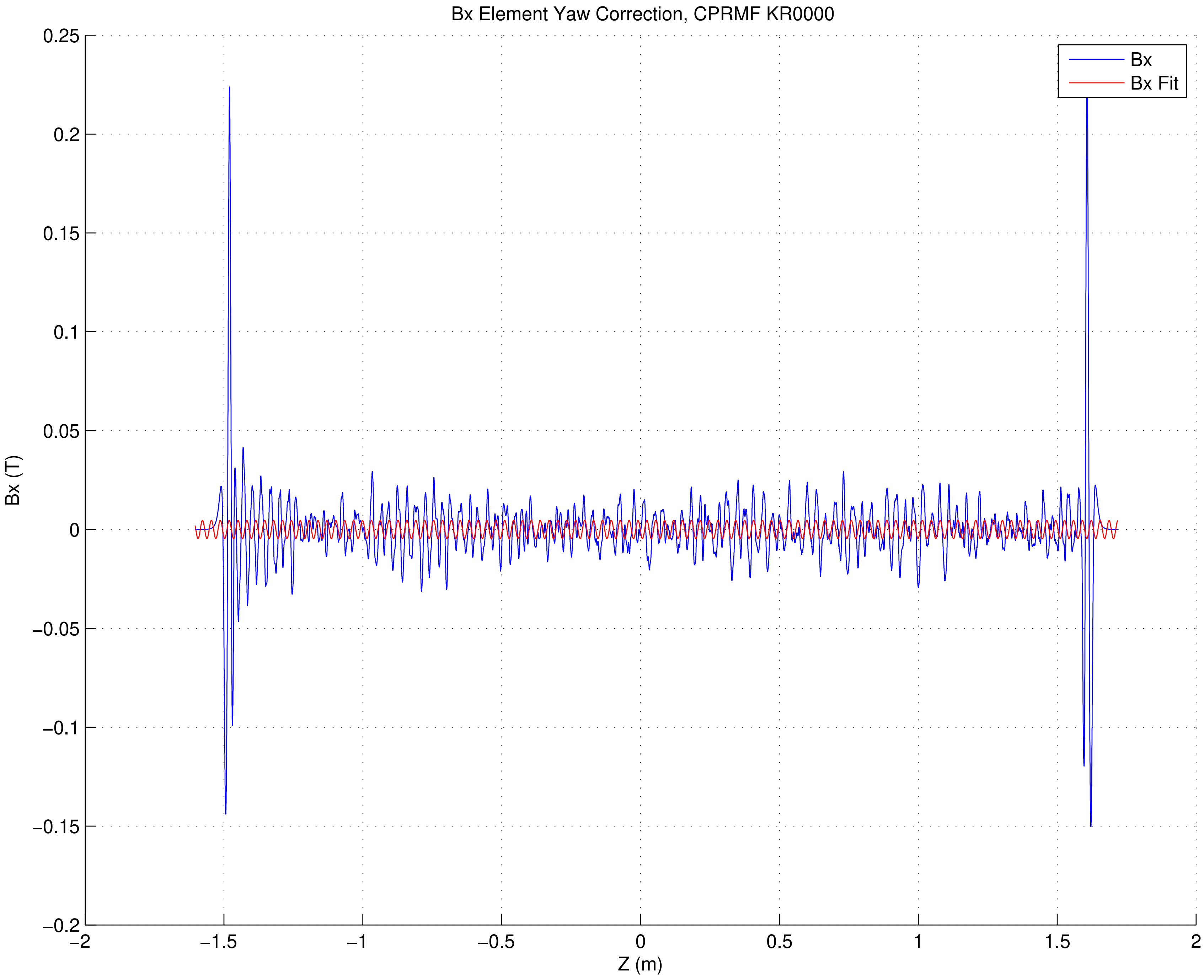
Bx Element Yaw Correction, LPVMF KR0000
Bx Fit
Alpha * Bz Perp
B (T)
Z (m)
0.025
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

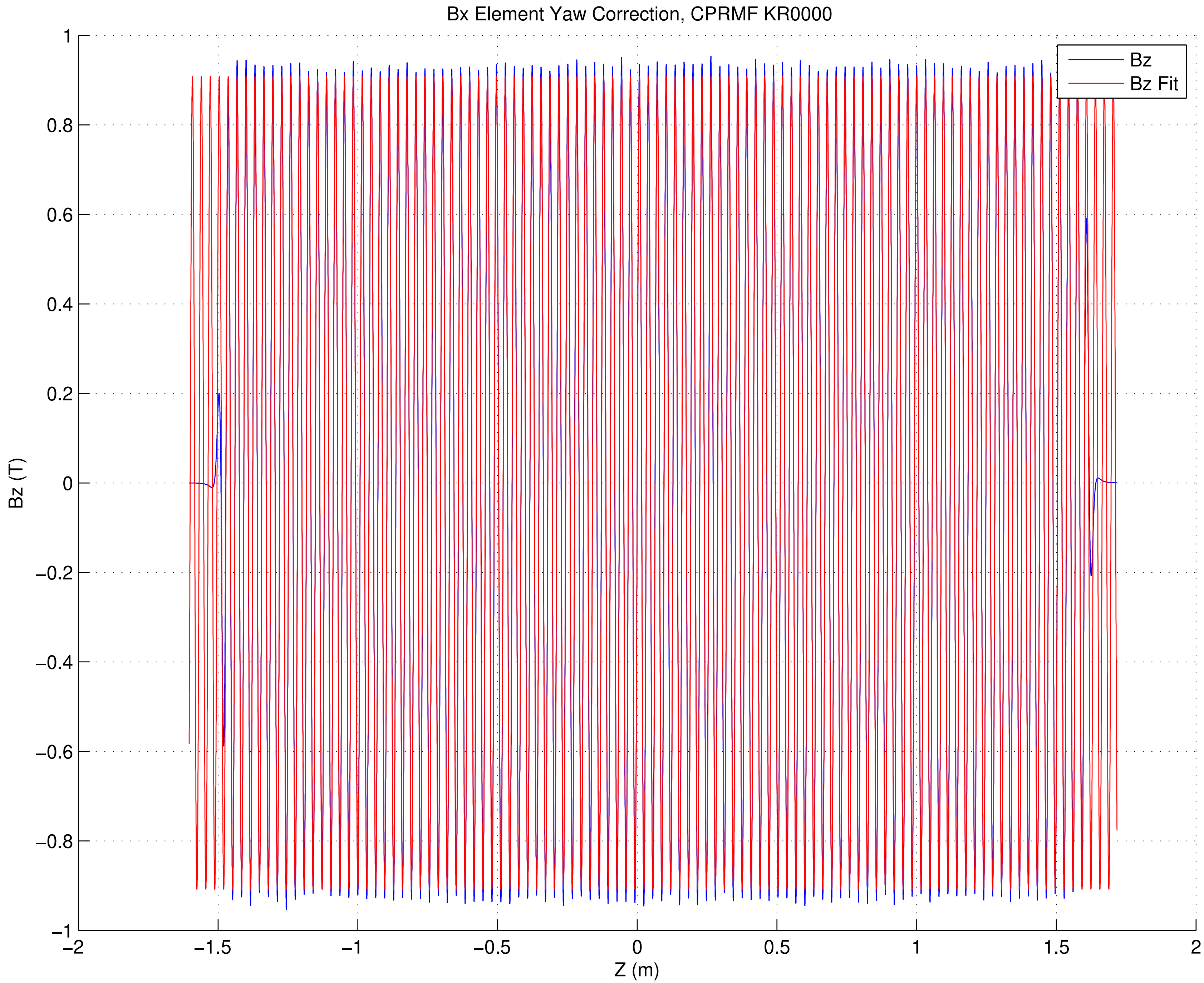


Bx Element Yaw Correction, LPVMF KR0000, Alpha = −0.015878
Bx
Bx Corr
Bx (T)
Z (m)
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

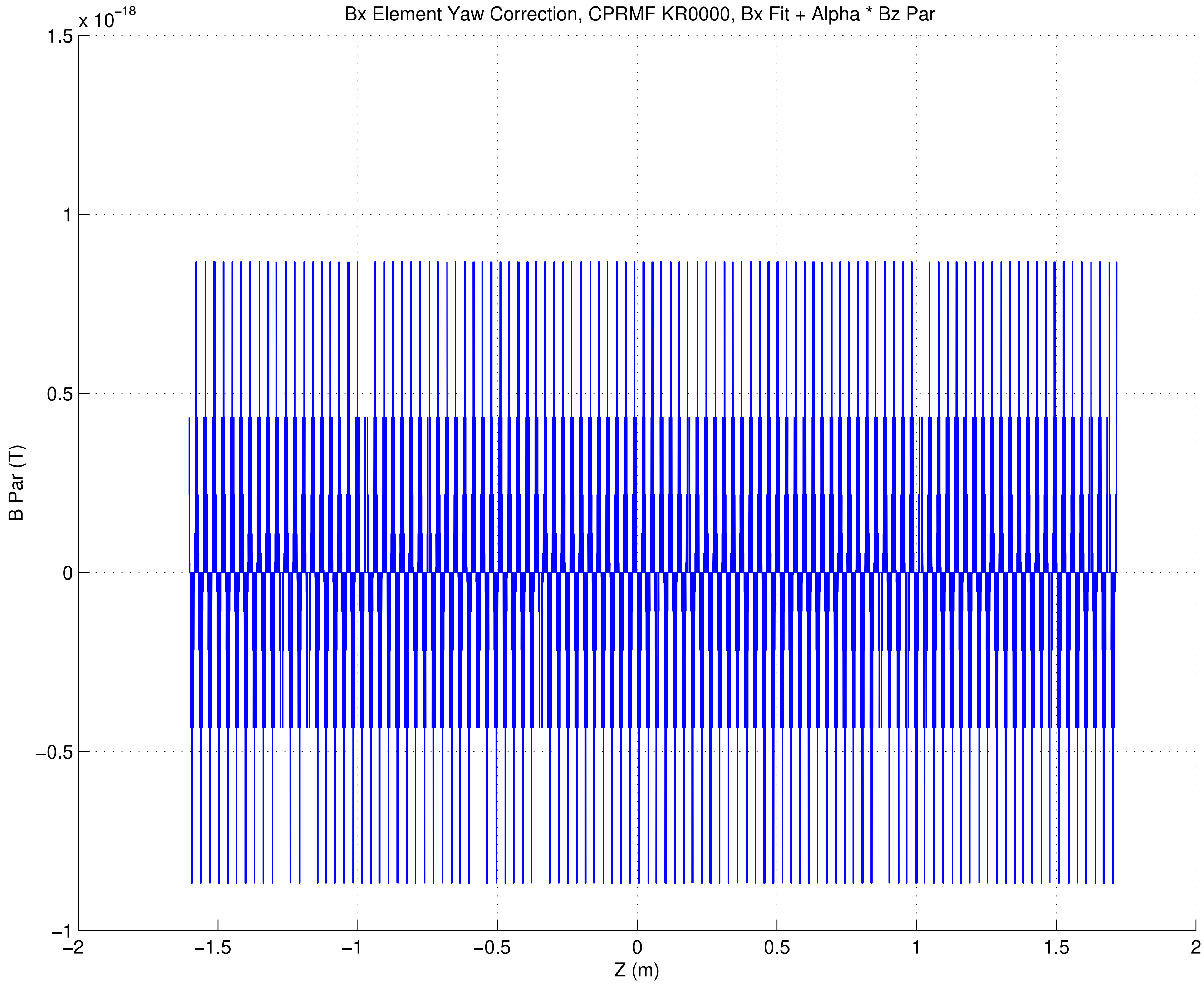

Bx Element Yaw Correction, LPVMF KR0000, Bx RMS vs Alpha
Bx RMS (T)
Alpha
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
−0.06
−0.05
−0.04
−0.03
−0.02
−0.01
0
0.01
0.02
0.03


Bx Element Yaw Correction, LPVMF KR0000, Bx RMS vs Alpha
Bx RMS (T)
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
−0.04
−0.03
−0.02
−0.01
0
0.01
0.02
0.03
0.04
Alpha

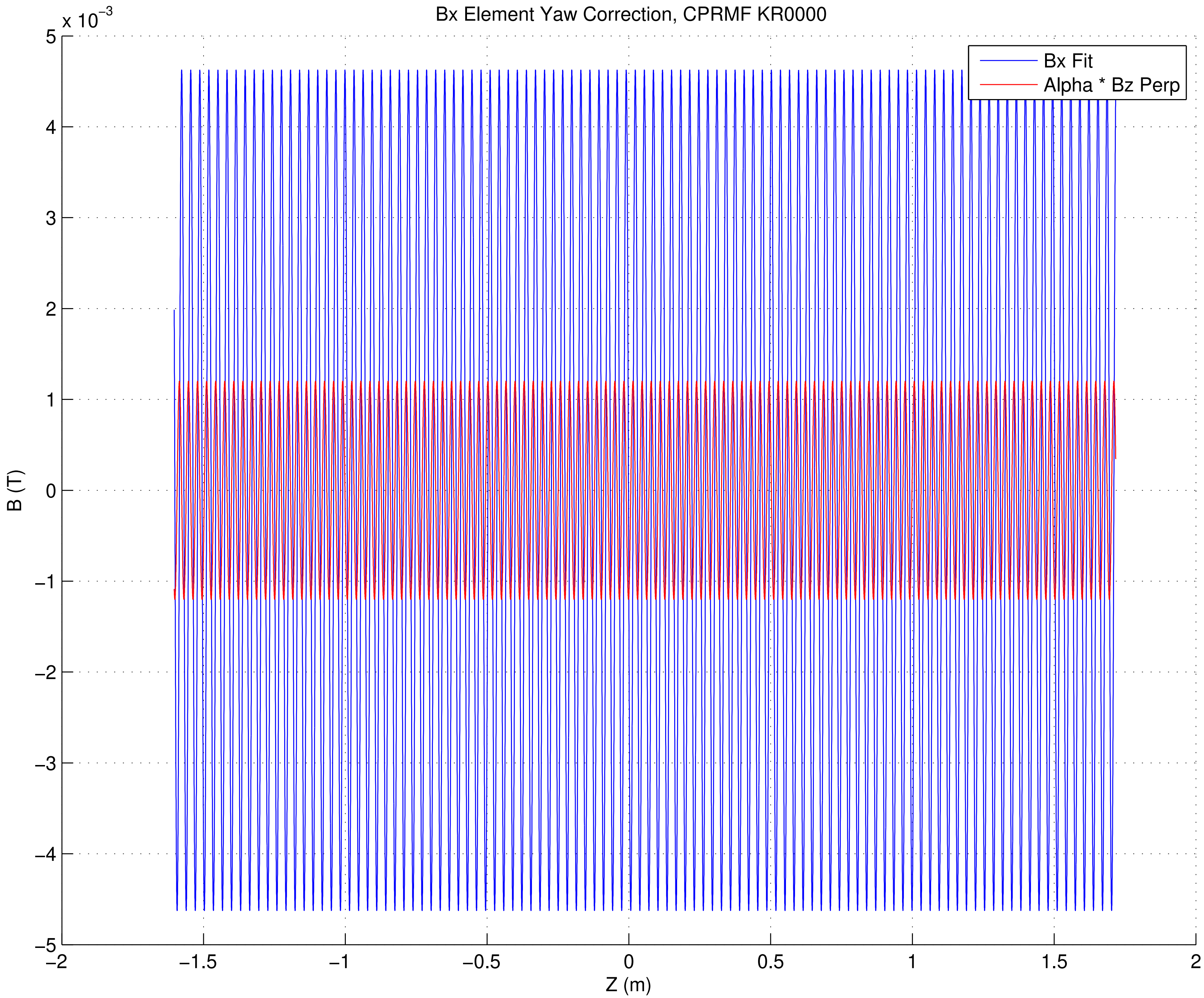

Bx Element Yaw Correction, CPRMF KR0000
Bx
Bx Fit
Bx (T)
Z (m)
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2



Bx Element Yaw Correction, CPRMF KR0000
Bz
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

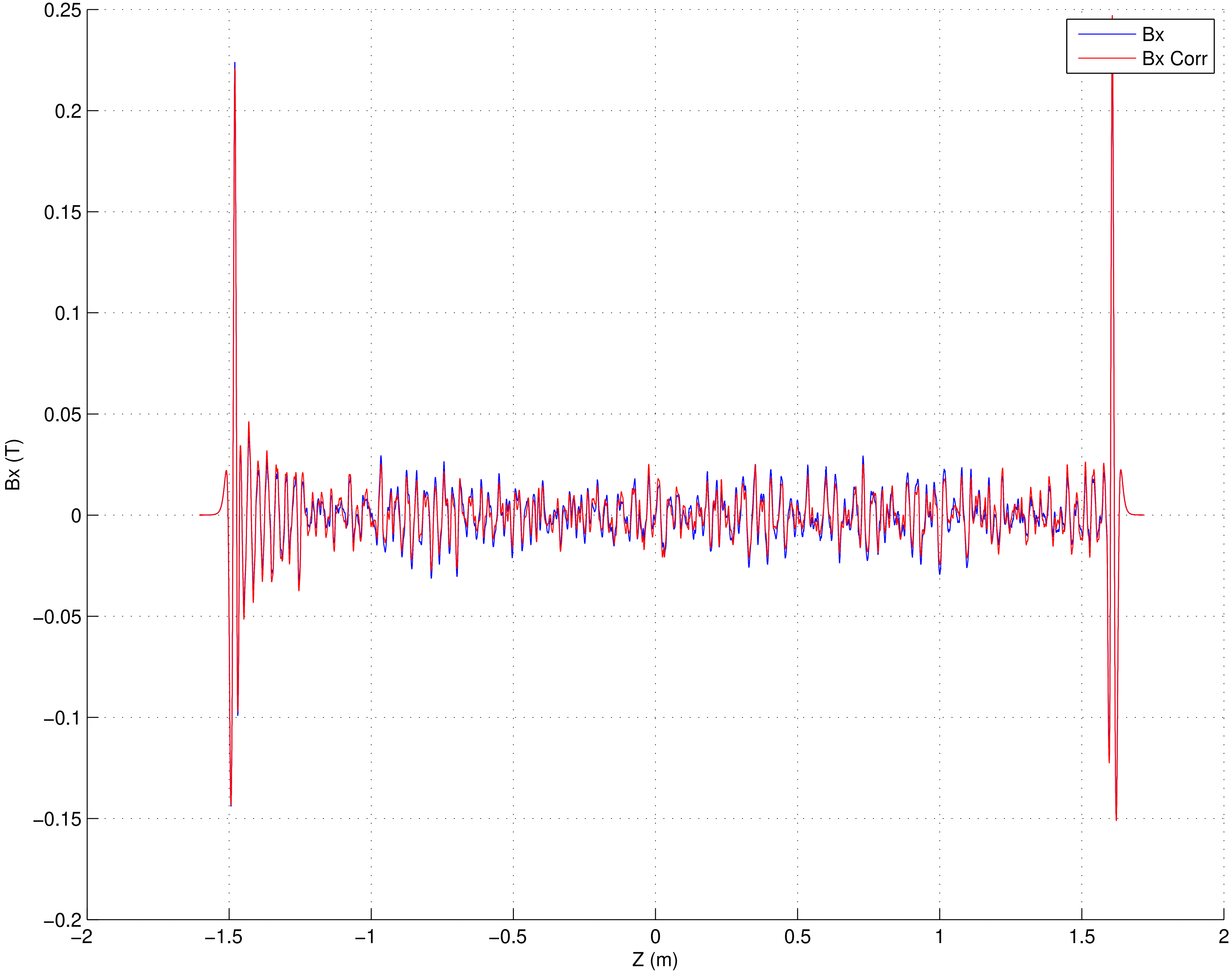


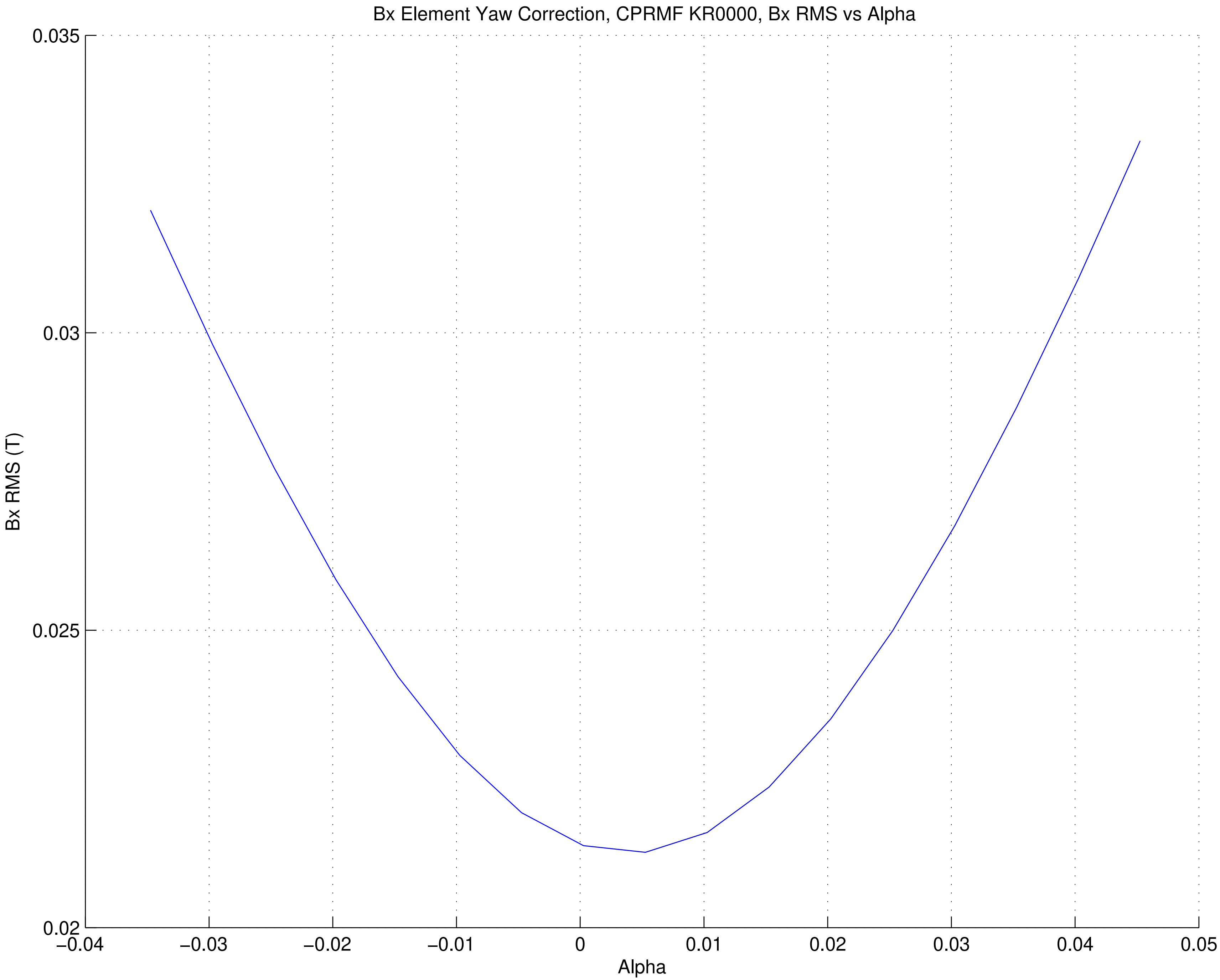
Bx Element Yaw Correction, CPRMF KR0000, Bx Fit + Alpha * Bz Par
x 10^−18
1.5
1
0.5
0
−0.5
−1
B Par (T)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
Z (m)

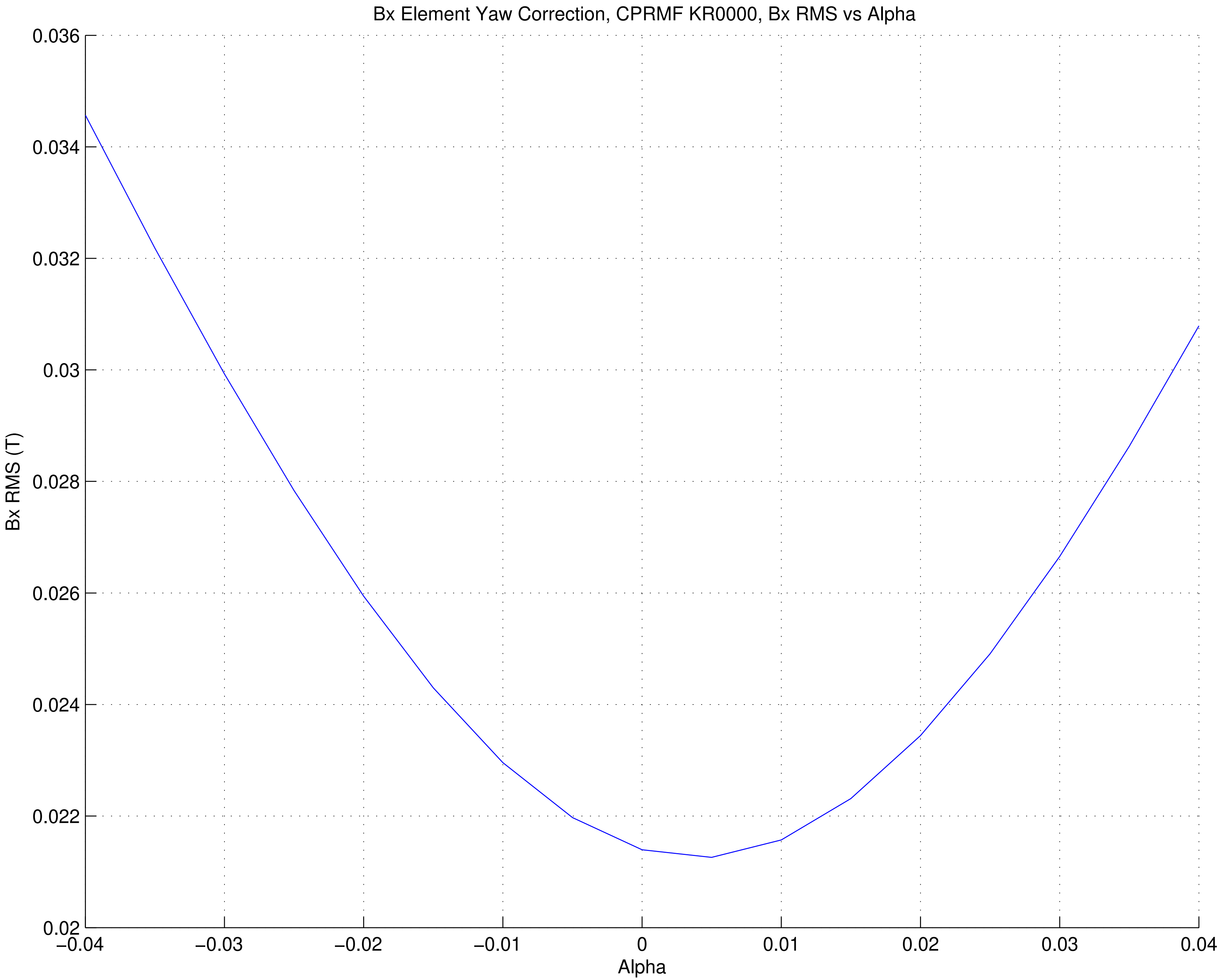


Bx Element Yaw Correction, CPRMF KR0000
x 10^-3
Bx Fit
Alpha * Bz Perp
B (T)
Z (m)
5
4
3
2
1
0
−1
−2
−3
−4
−5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

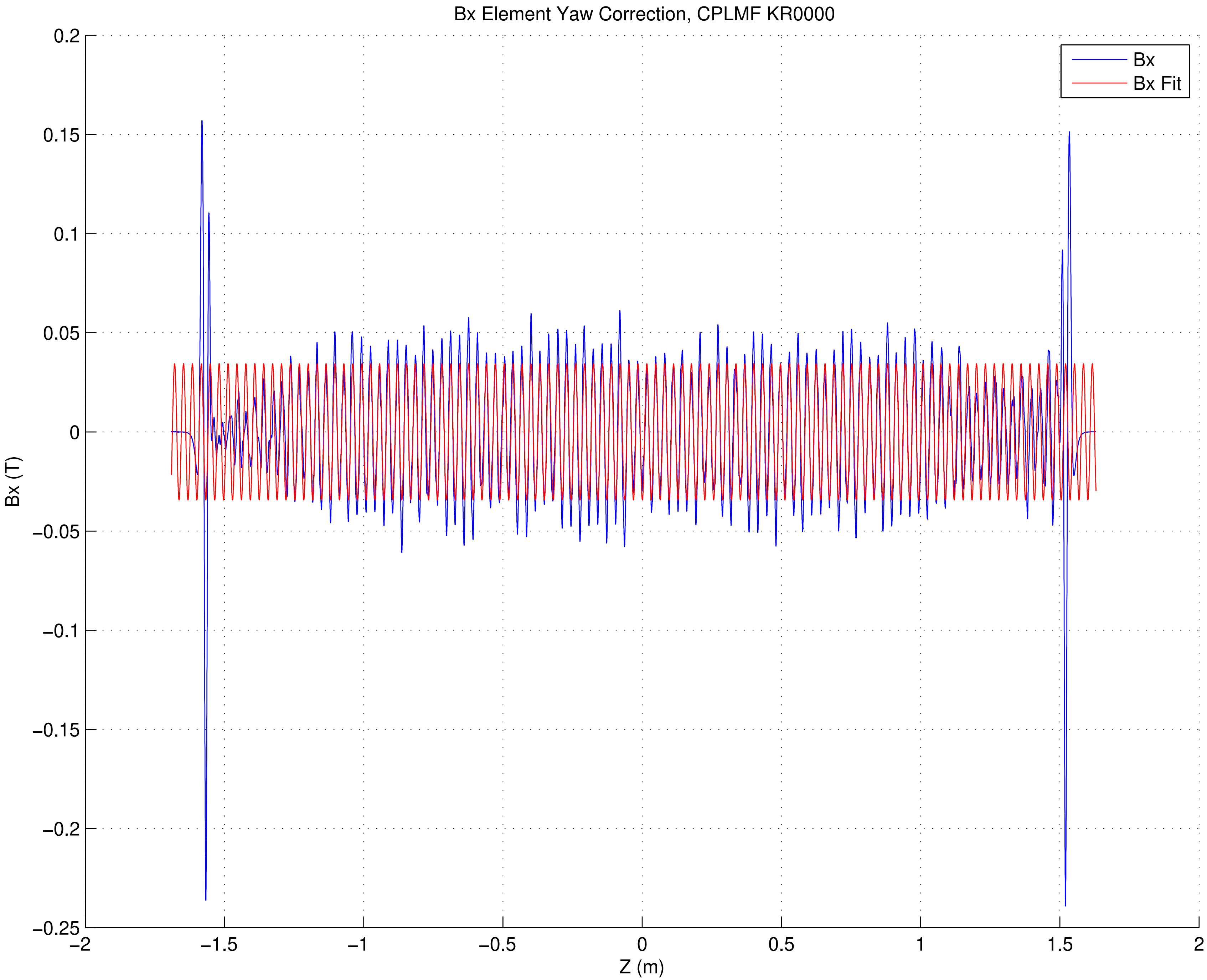
Bx Element Yaw Correction, CPRMF KR0000, Alpha = 0.0052629



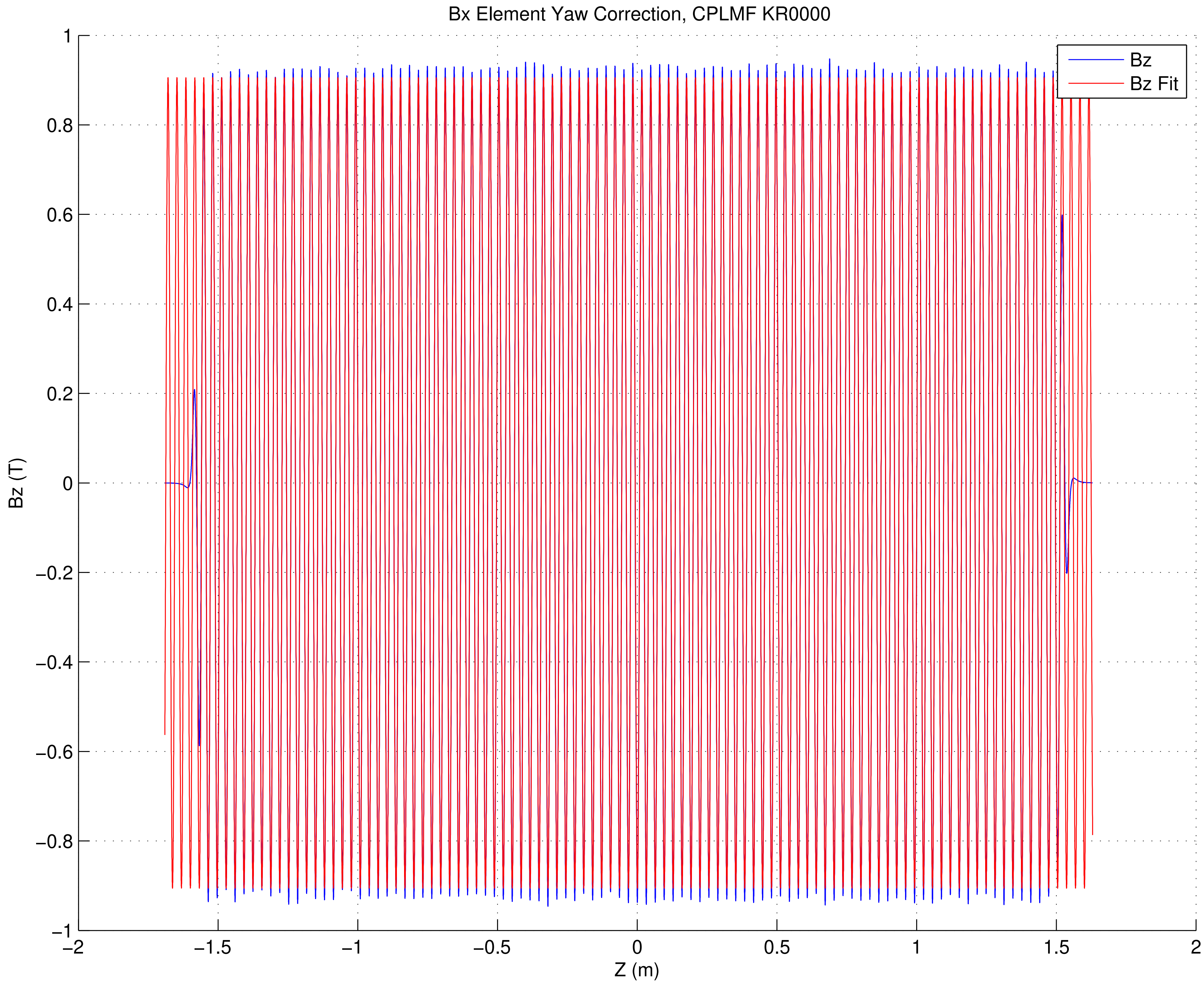

Bx Element Yaw Correction, CPRMF KR0000, Bx RMS vs Alpha
0.035
0.03
0.025
0.02
Bx RMS (T)
−0.04
−0.03
−0.02
−0.01
0
0.01
0.02
0.03
0.04
0.05
Alpha



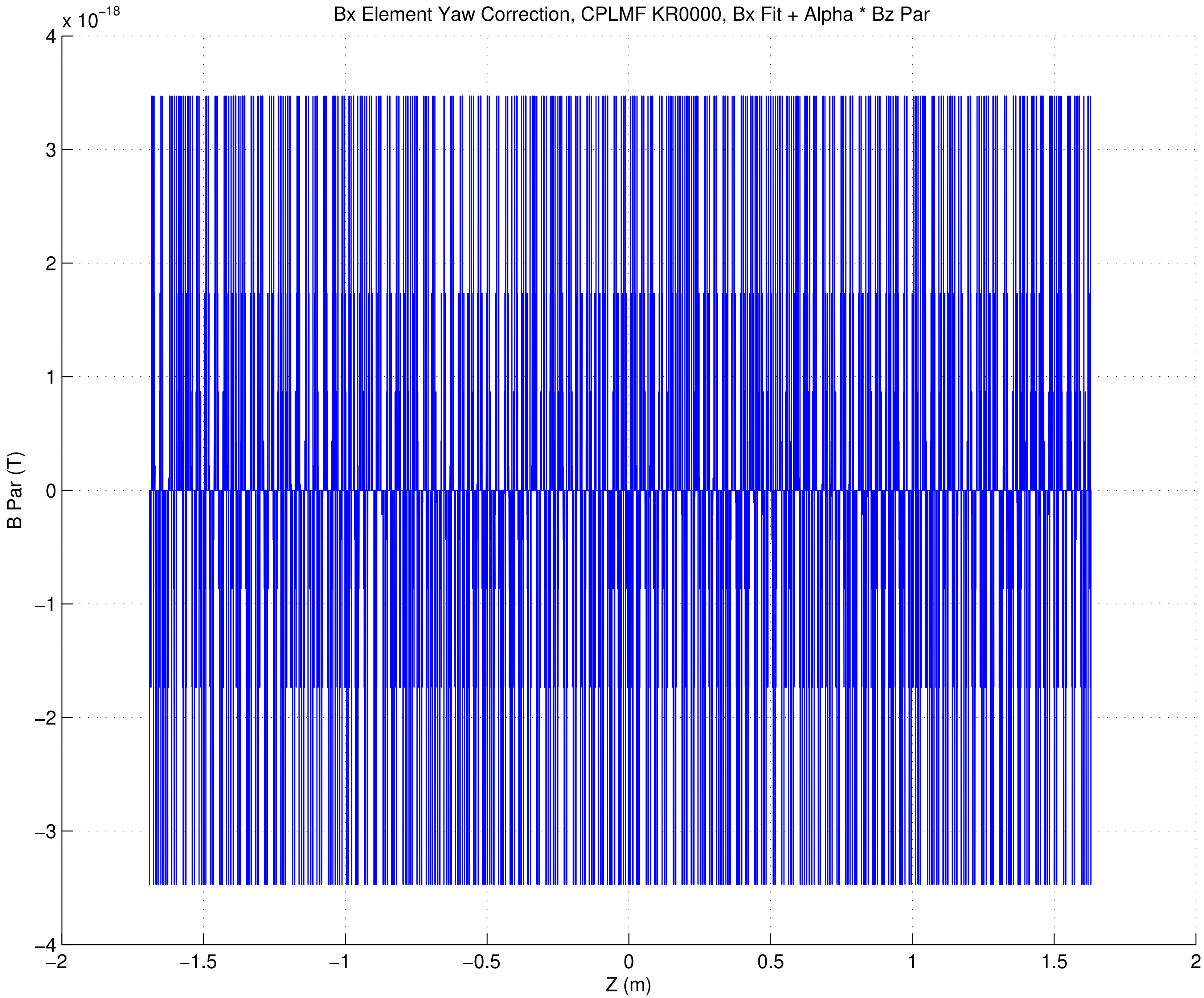
Bx Element Yaw Correction, CPRMF KR0000, Bx RMS vs Alpha
0.036
0.034
0.032
0.03
0.028
0.026
0.024
0.022
0.02
Bx RMS (T)
−0.04
−0.03
−0.02
−0.01
0
0.01
0.02
0.03
0.04
Alpha



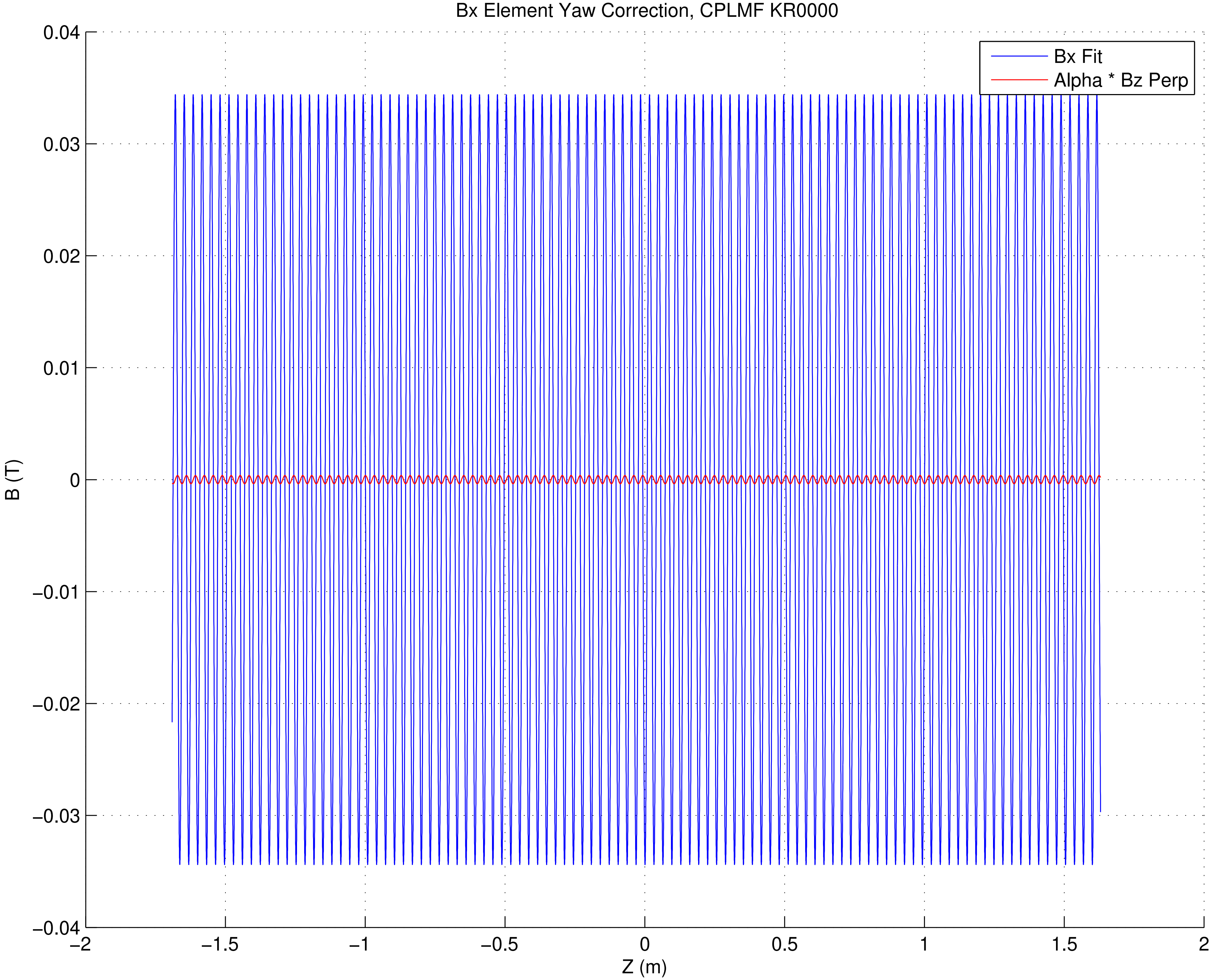
Bx Element Yaw Correction, CPLMF KR0000
Bx
Bx Fit
Bx (T)
Z (m)
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2



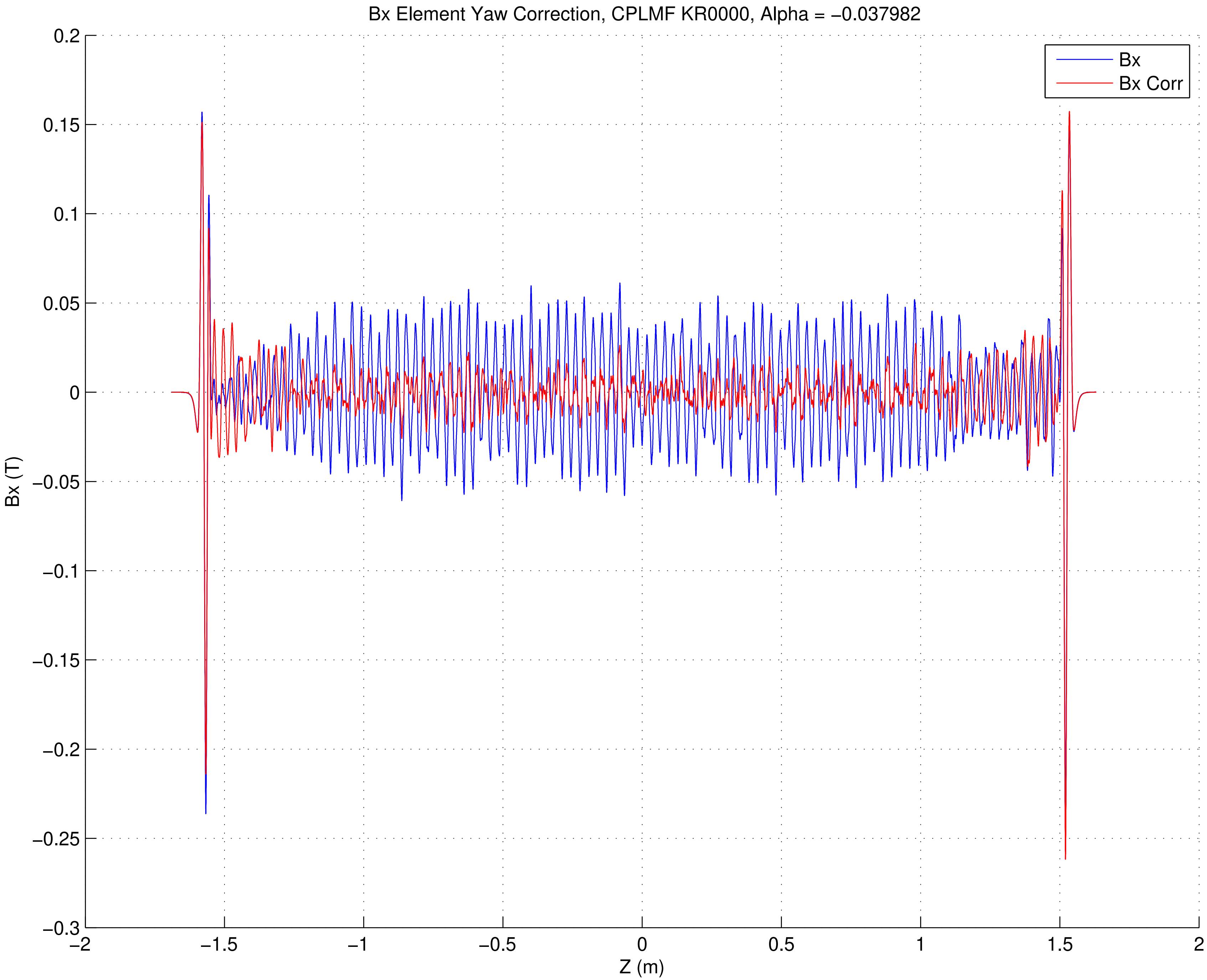
Bx Element Yaw Correction, CPLMF KR0000
Bz
Bz Fit
Bz (T)
Z (m)
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2



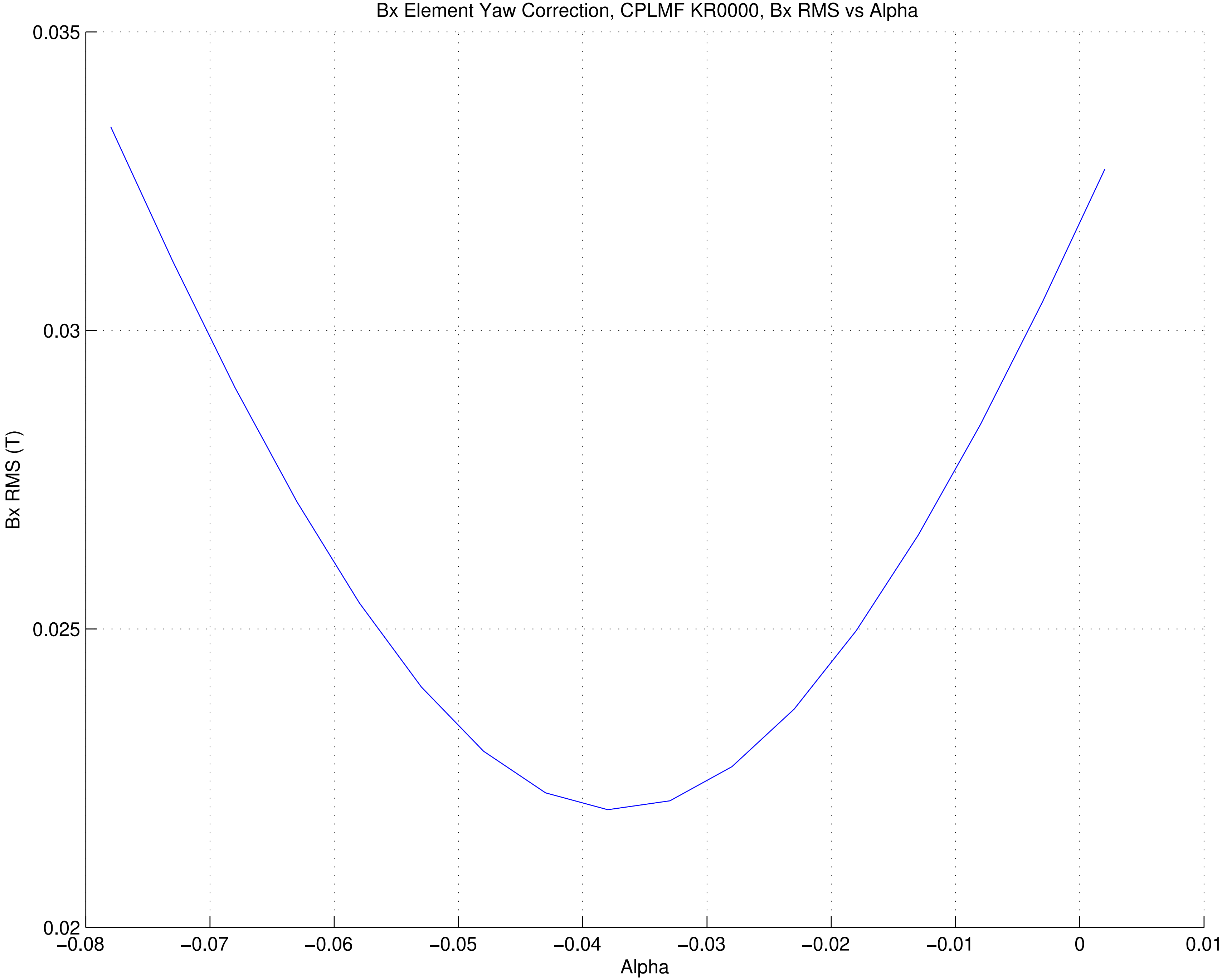
Bx Element Yaw Correction, CPLMF KR0000, Bx Fit + Alpha * Bz Par
x 10^-18
4
3
2
1
0
−1
−2
−3
−4
B Par (T)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
Z (m)

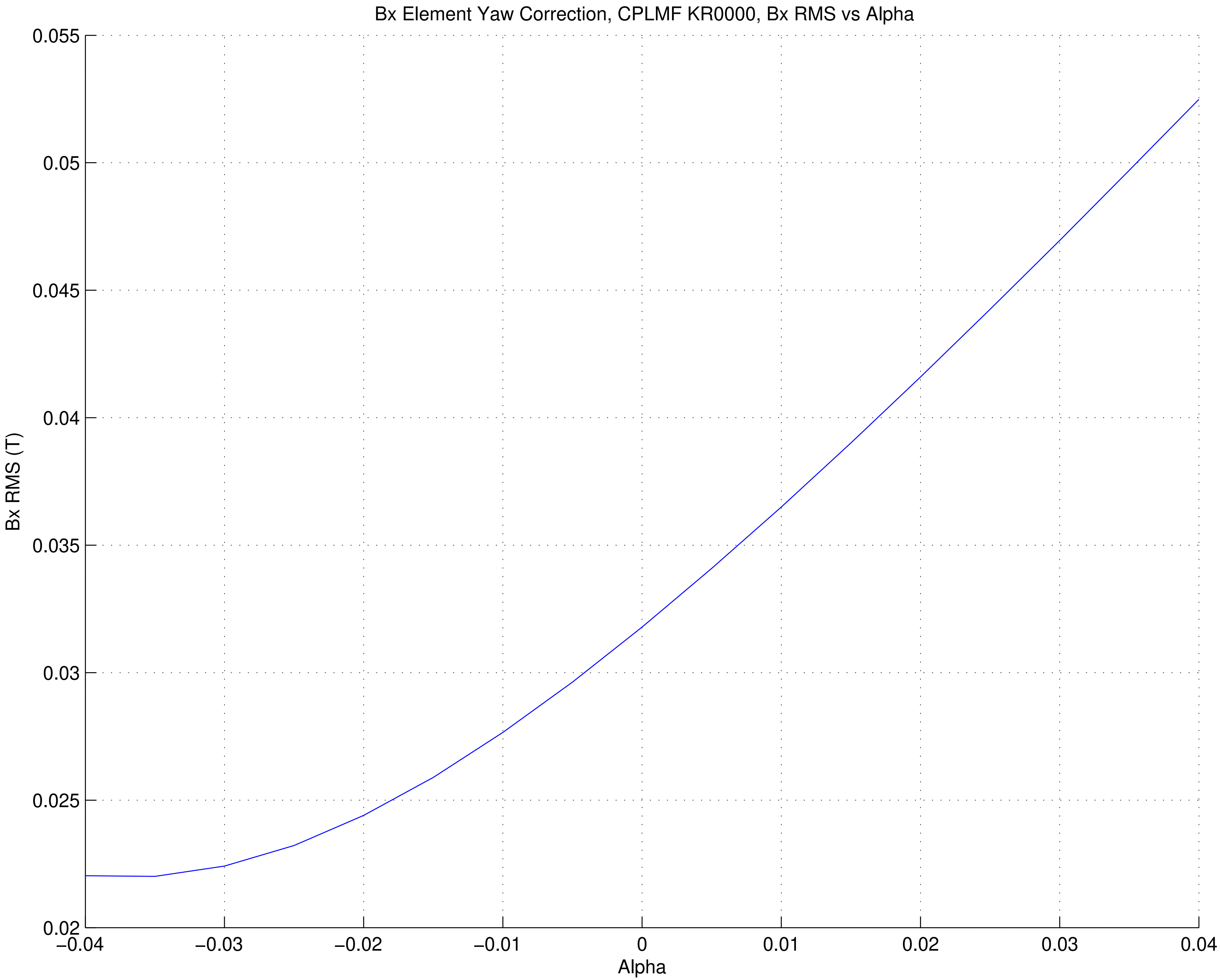


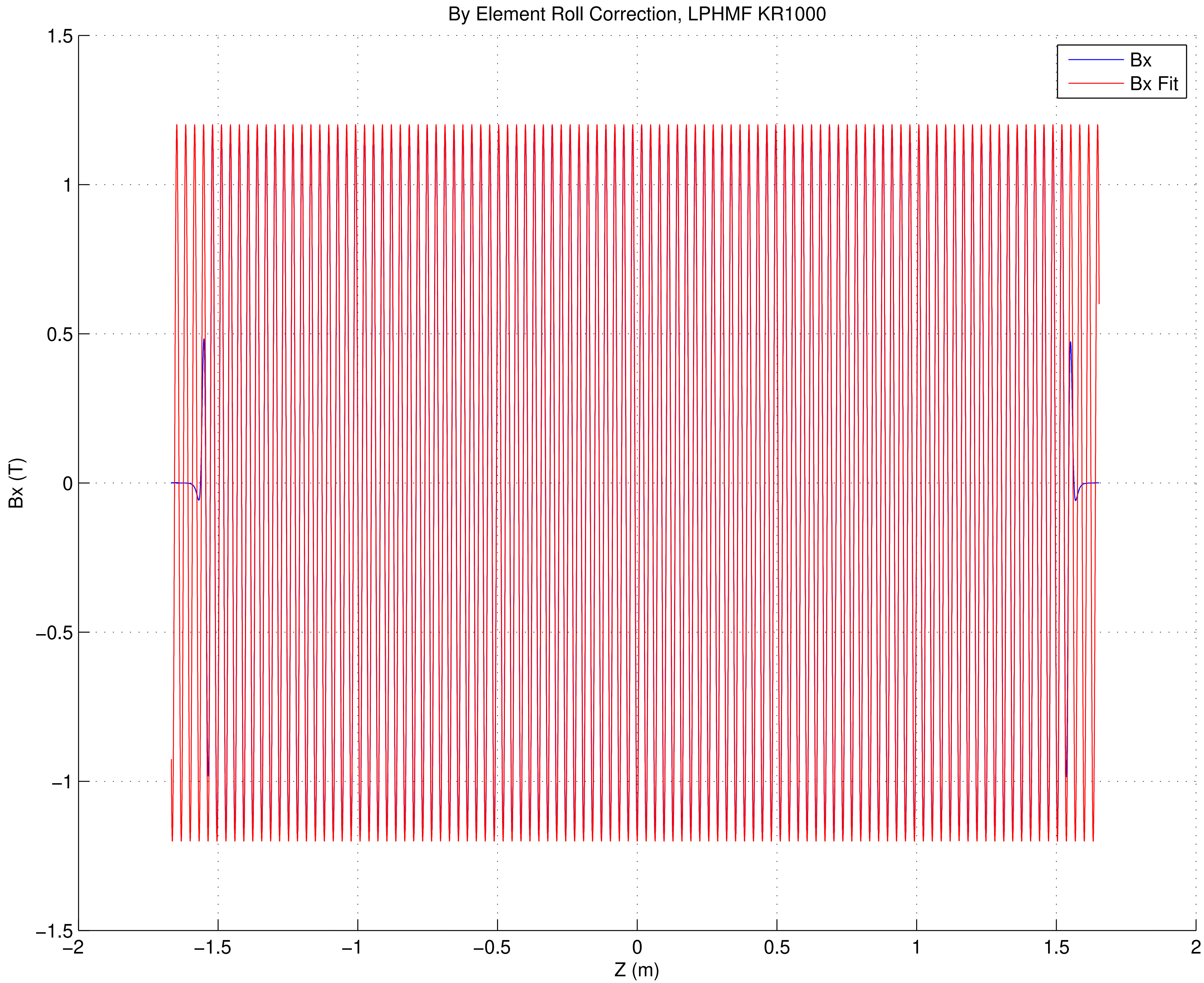
Bx Element Yaw Correction, CPLMF KR0000
Bx Fit
Alpha * Bz Perp
B (T)
Z (m)
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

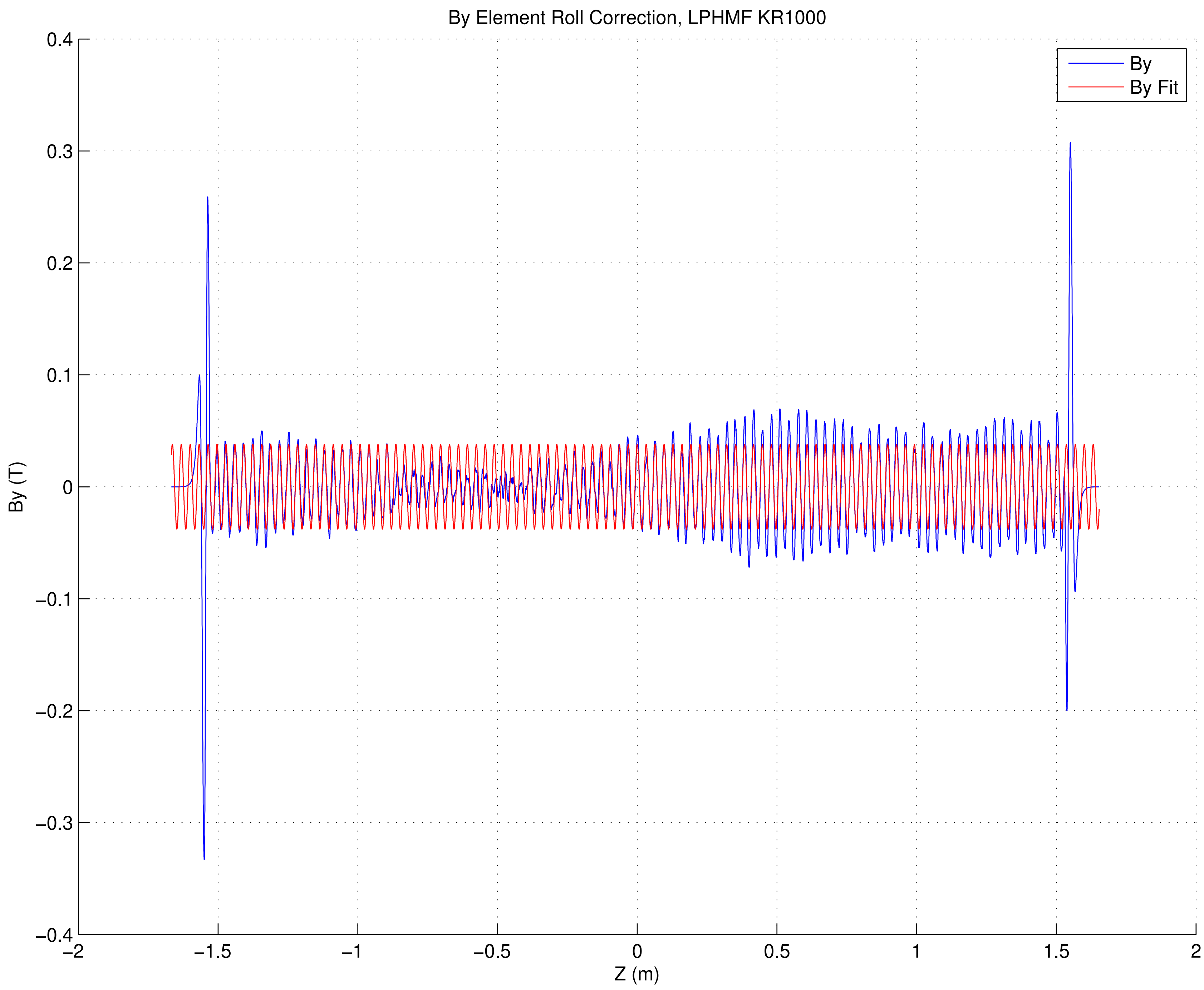


Bx Element Yaw Correction, CPLMF KR0000, Alpha = −0.037982
Bx
Bx Corr
Bx (T)
Z (m)
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

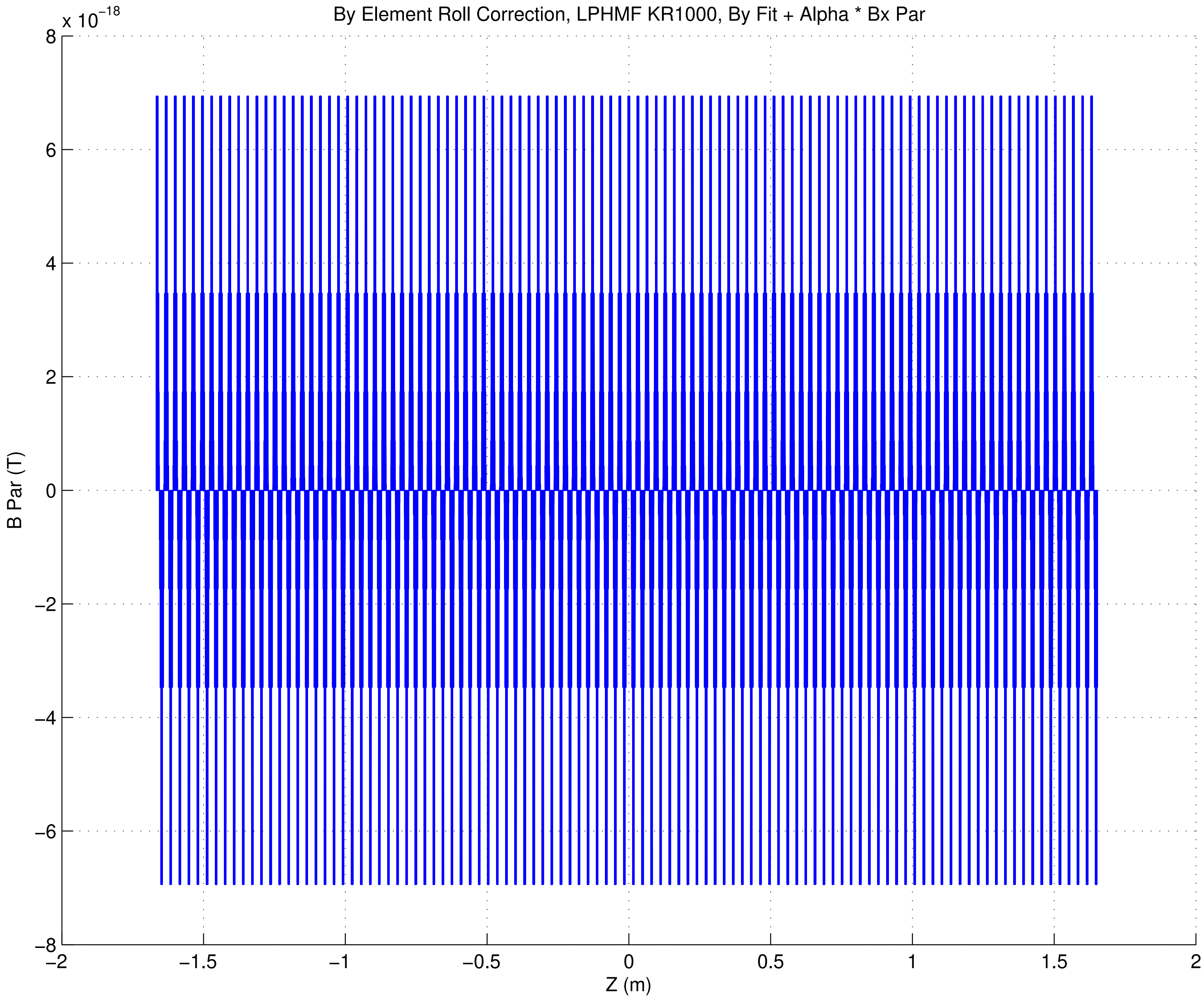

Bx Element Yaw Correction, CPLMF KR0000, Bx RMS vs Alpha
Bx RMS (T)
0.035
0.03
0.025
0.02
−0.08
−0.07
−0.06
−0.05
−0.04
−0.03
−0.02
−0.01
0
0.01
Alpha


Bx Element Yaw Correction, CPLMF KR0000, Bx RMS vs Alpha
Bx RMS (T)
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
Alpha

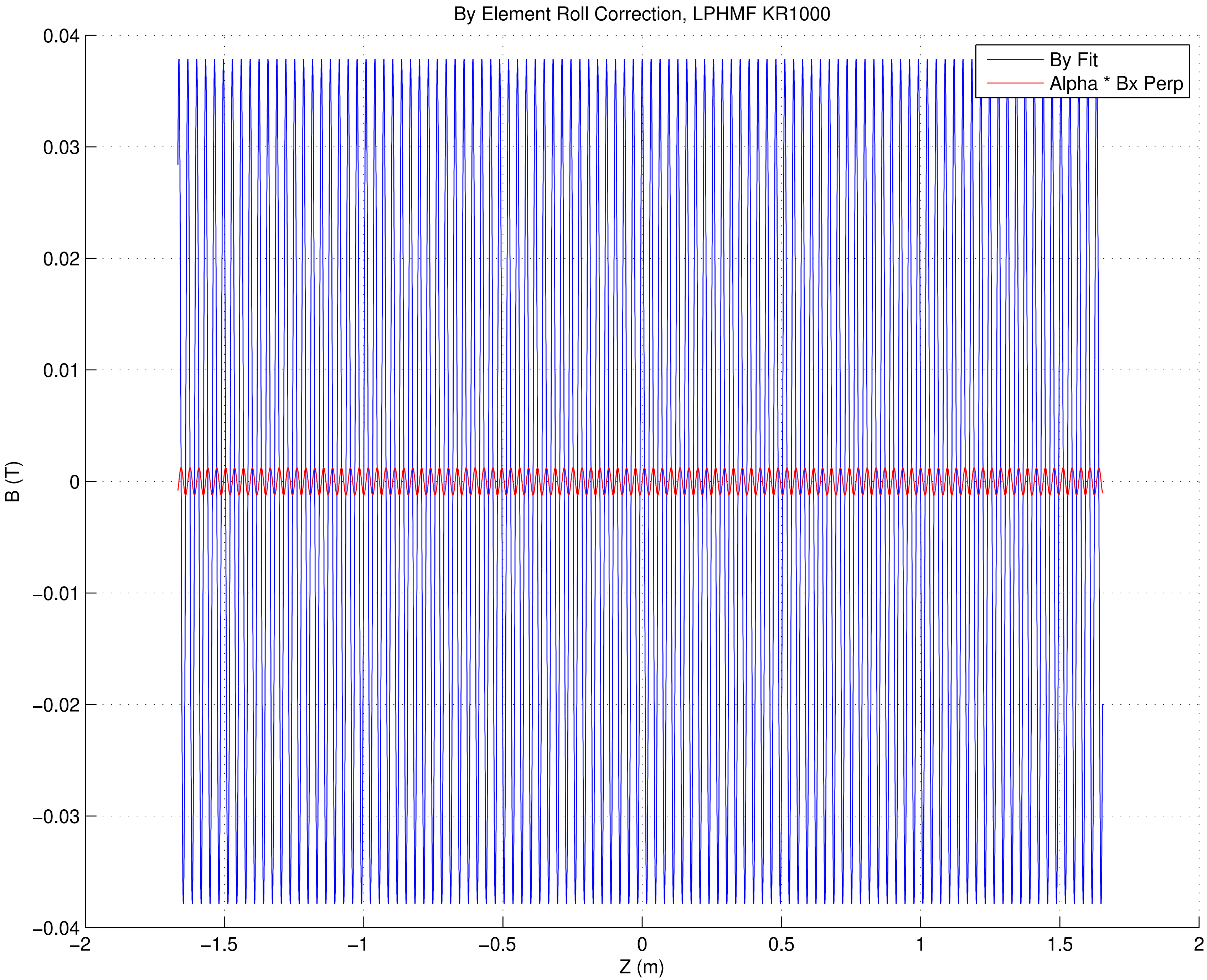

By Element Roll Correction, LPHMF KR1000
Bx
Bx Fit
Bx (T)
Z (m)
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

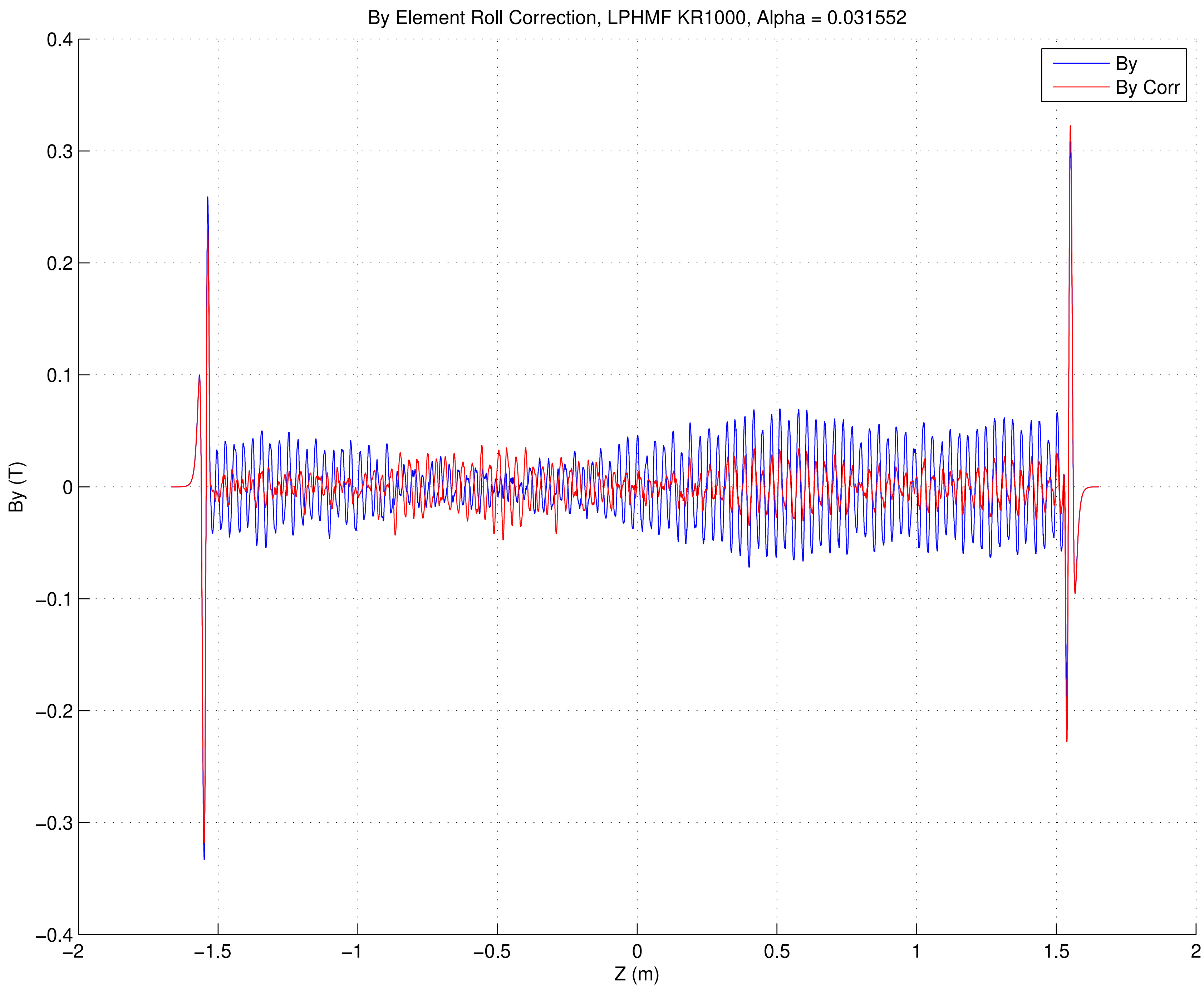


By Element Roll Correction, LPHMF KR1000
By
By Fit
By (T)
Z (m)
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

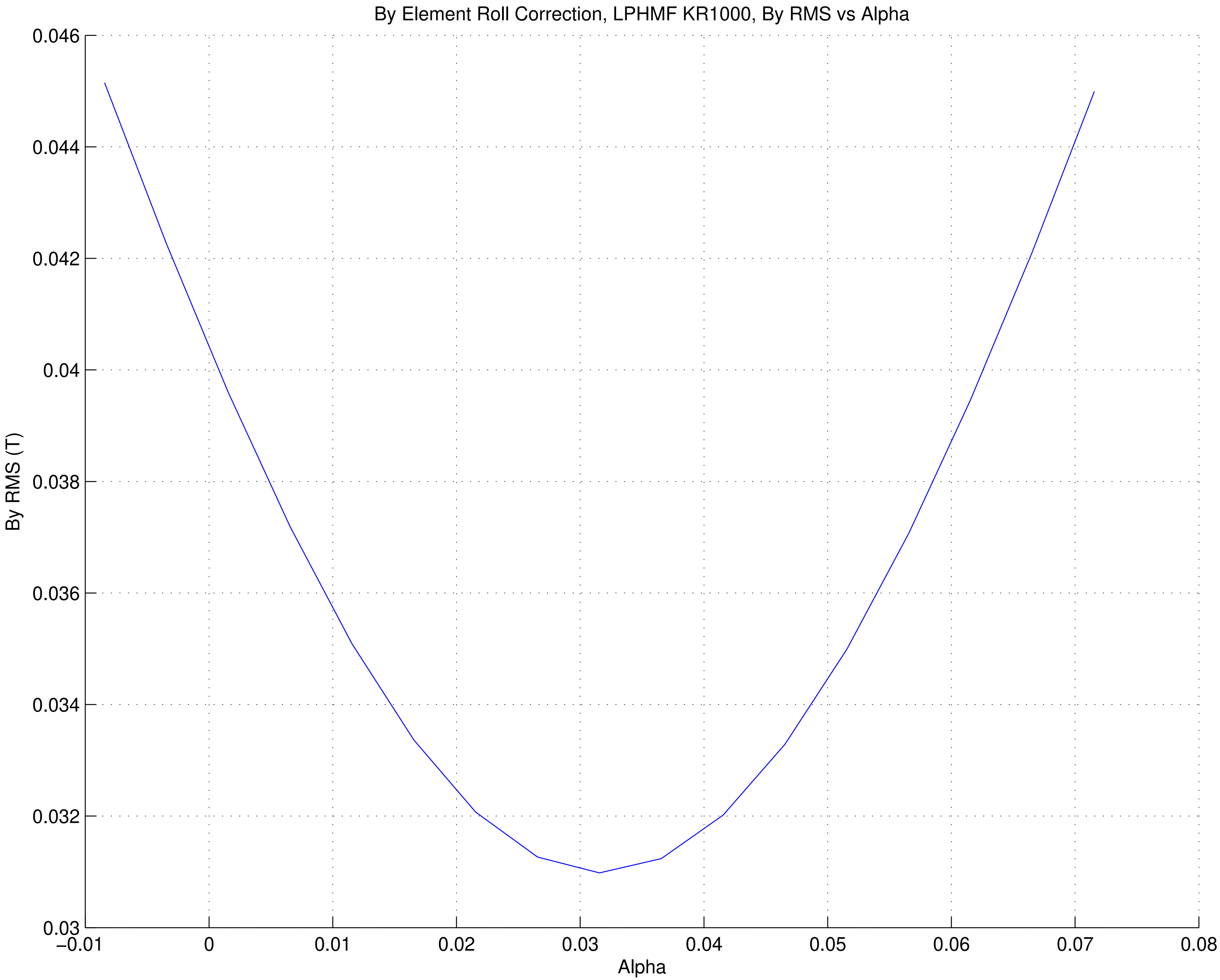


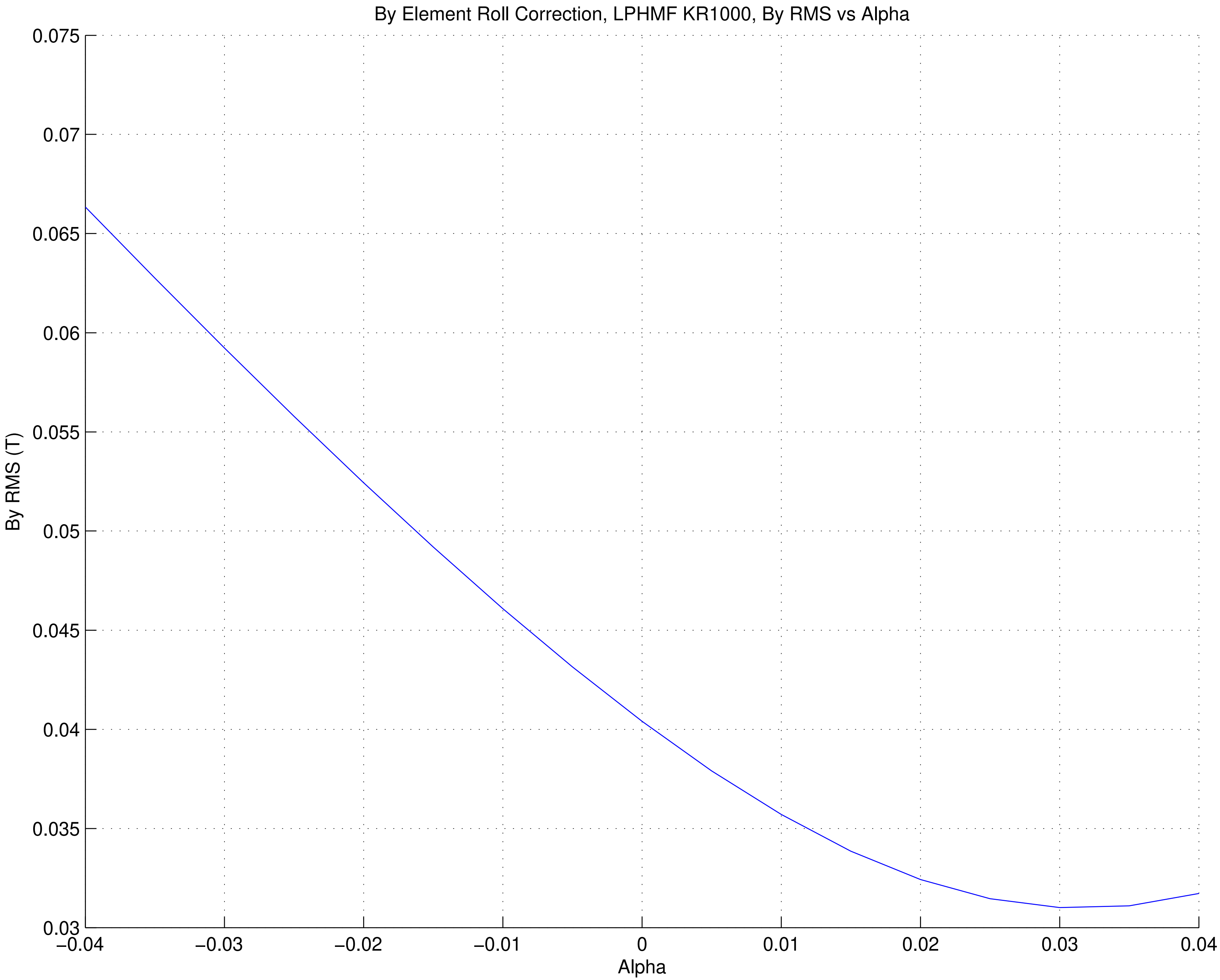
By Element Roll Correction, LPHMF KR1000, By Fit + Alpha * Bx Par
x 10^-18
8
6
4
2
0
−2
−4
−6
−8
B Par (T)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
Z (m)

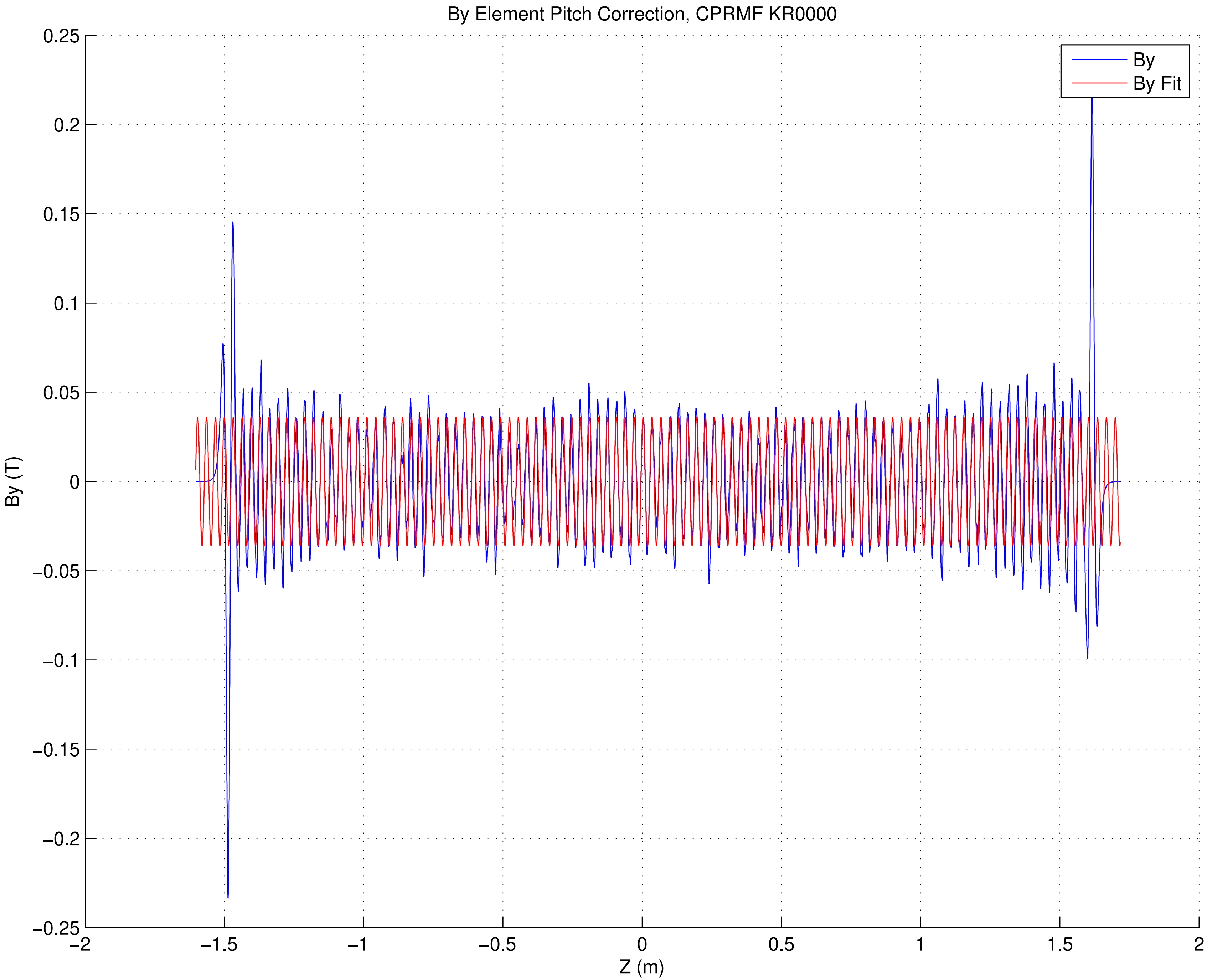

By Element Roll Correction, LPHMF KR1000
By Fit
Alpha * Bx Perp
B (T)
Z (m)
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2



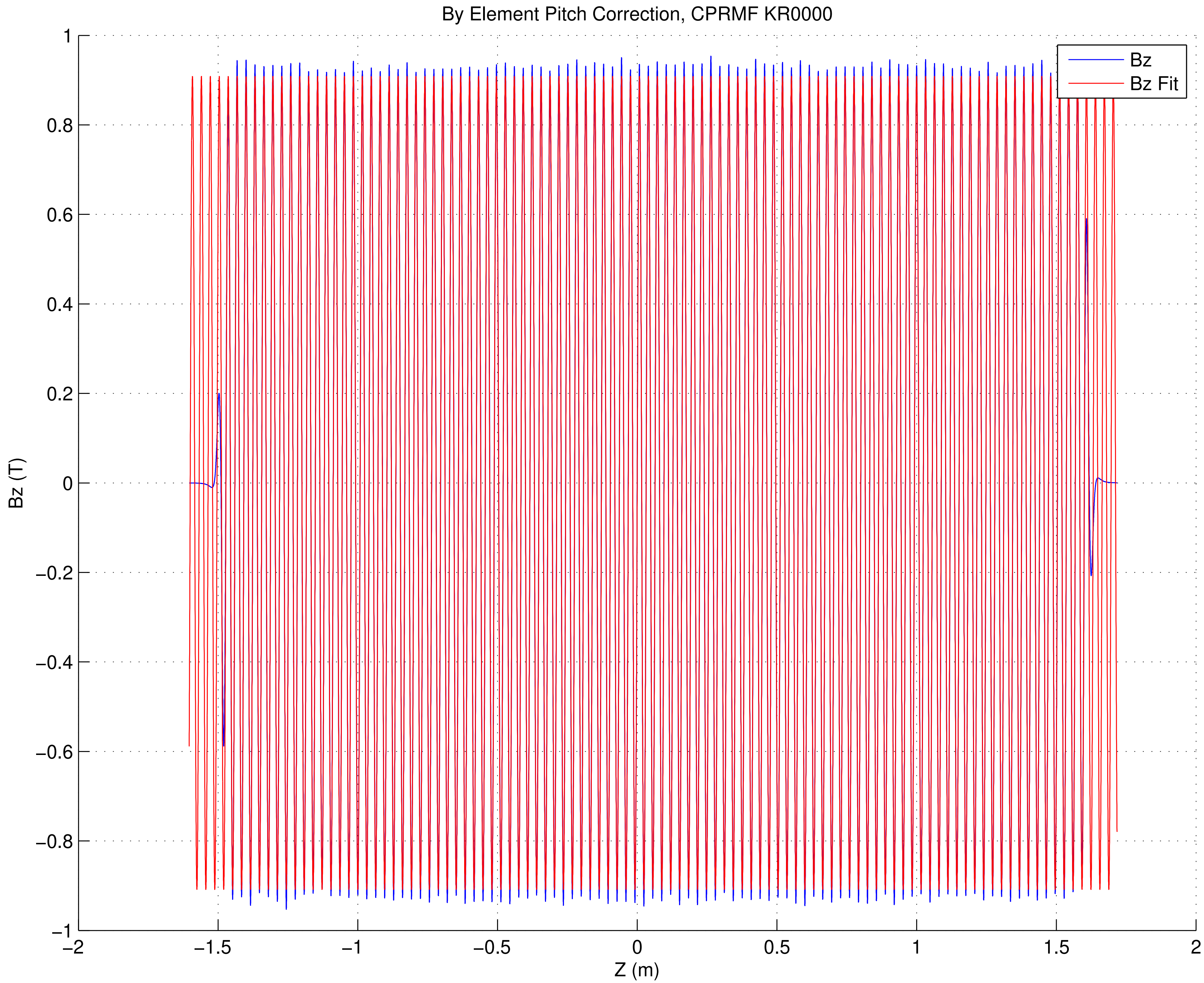
By Element Roll Correction, LPHMF KR1000, Alpha = 0.031552
By
By Corr
By (T)
Z (m)
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2


By Element Roll Correction, LPHMF KR1000, By RMS vs Alpha
By RMS (T)
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
Alpha

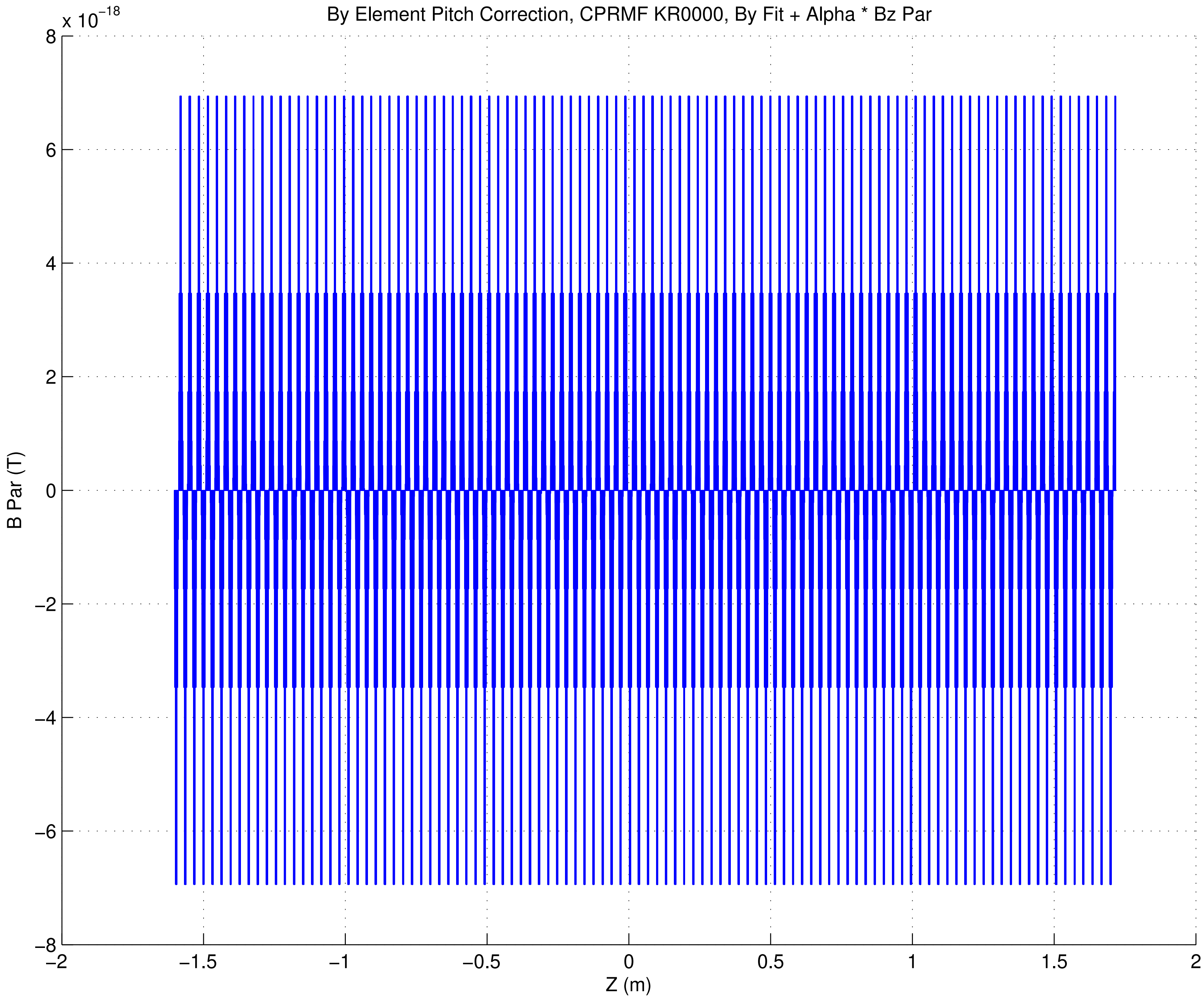

By Element Roll Correction, LPHMF KR1000, By RMS vs Alpha
By RMS (T)
0.075
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
−0.04
−0.03
−0.02
−0.01
0
0.01
0.02
0.03
0.04
Alpha



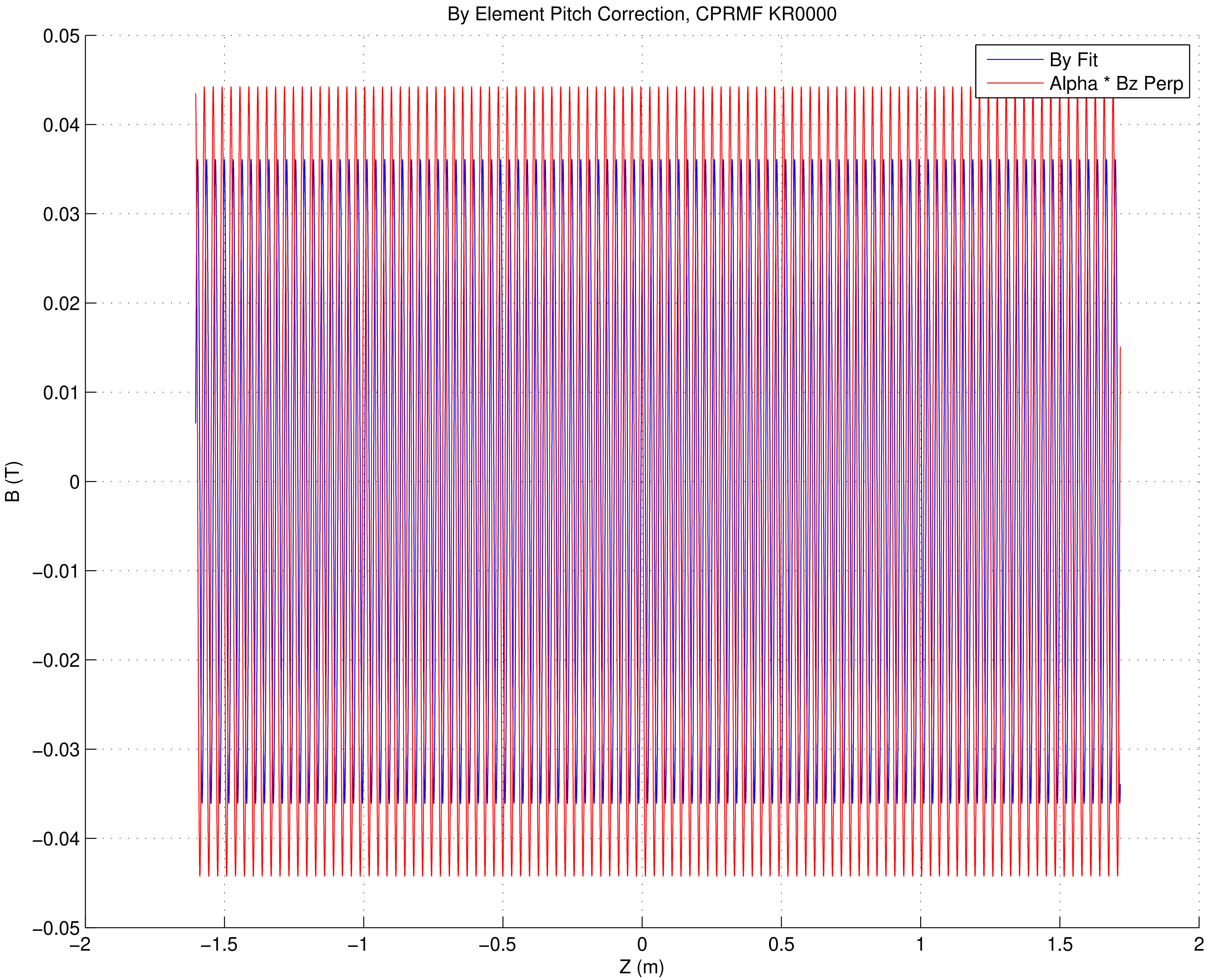
By Element Pitch Correction, CPRMF KR0000
By
By Fit
By (T)
Z (m)
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

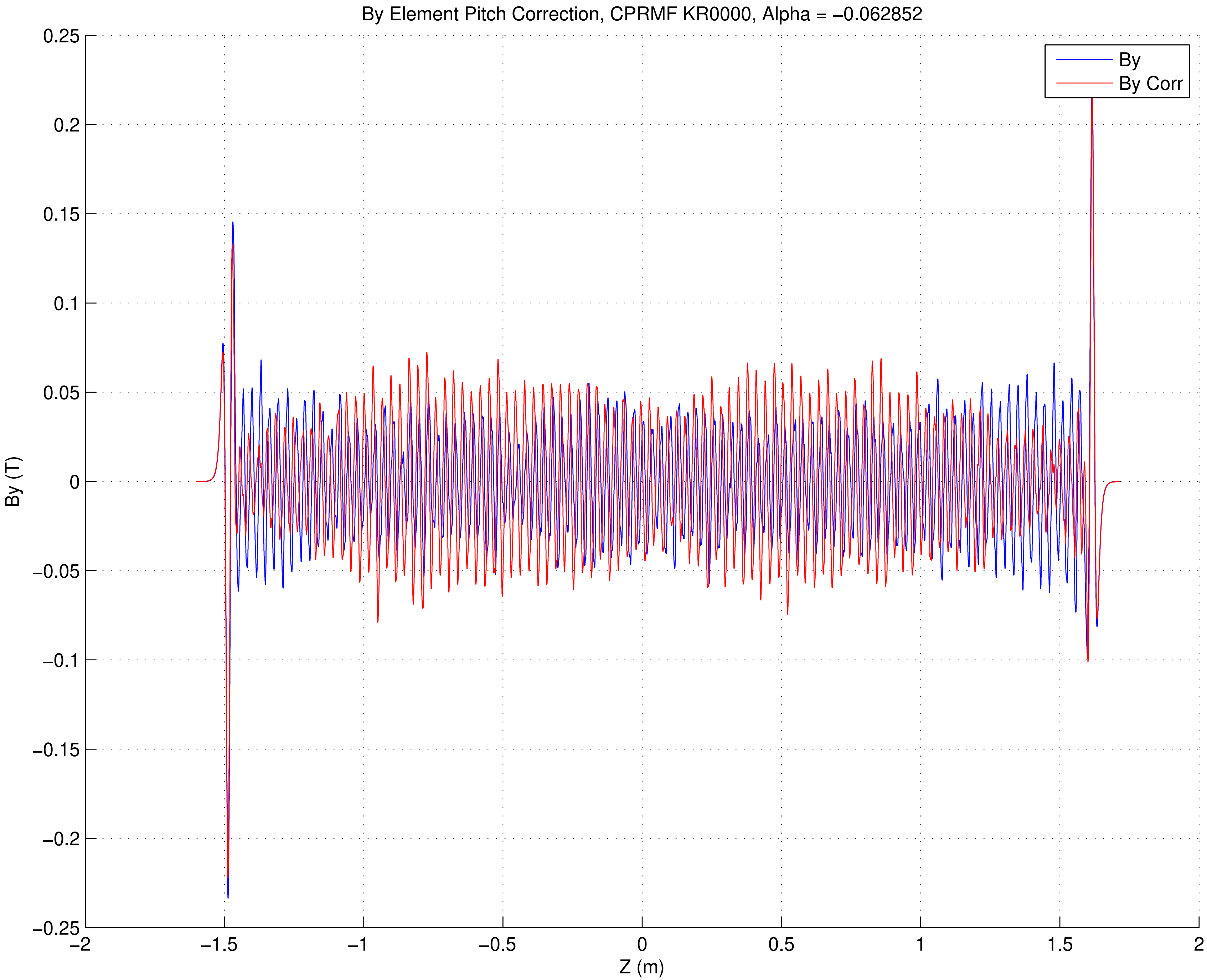


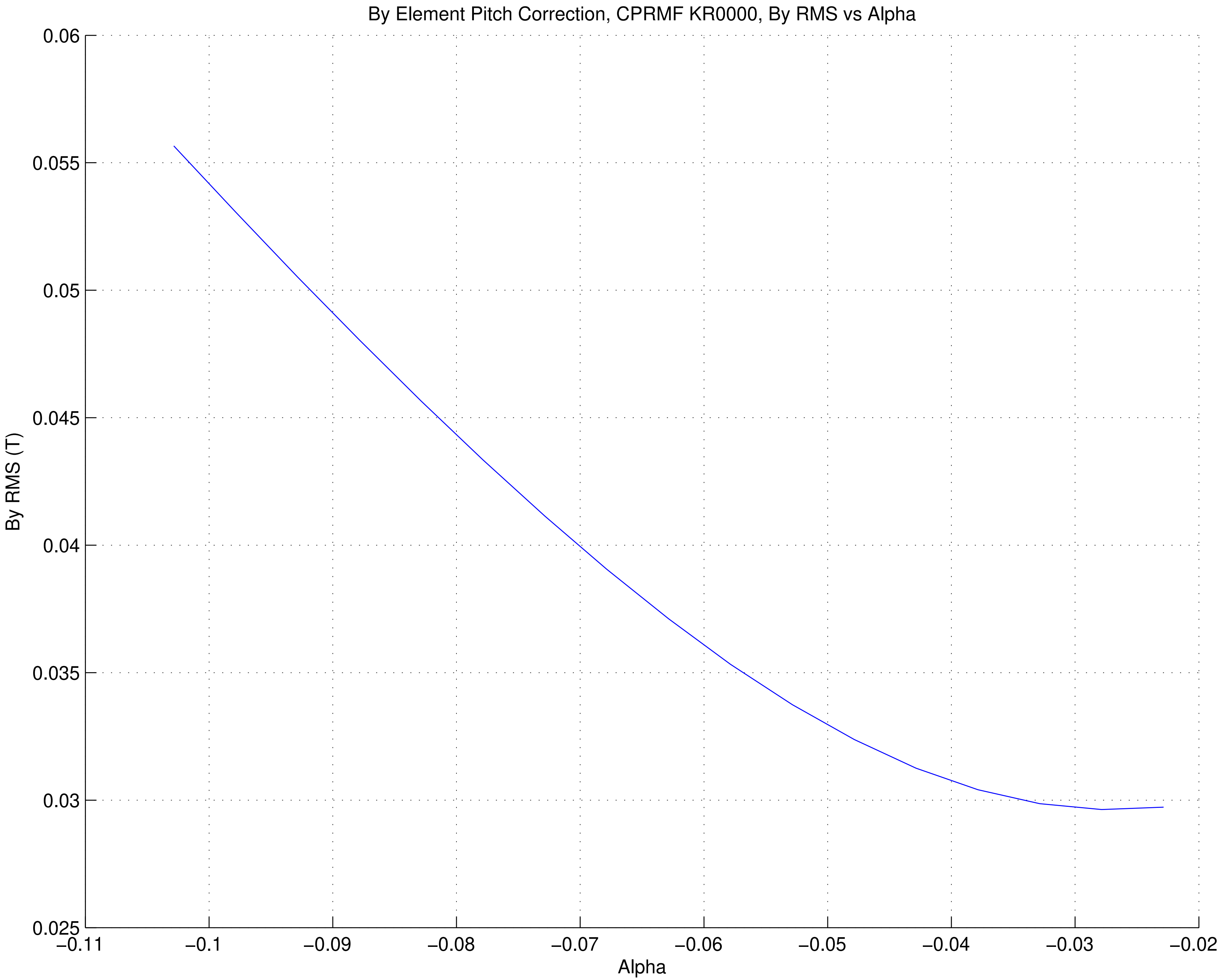
By Element Pitch Correction, CPRMF KR0000
Bz
Bz Fit
Bz (T)
Z (m)
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

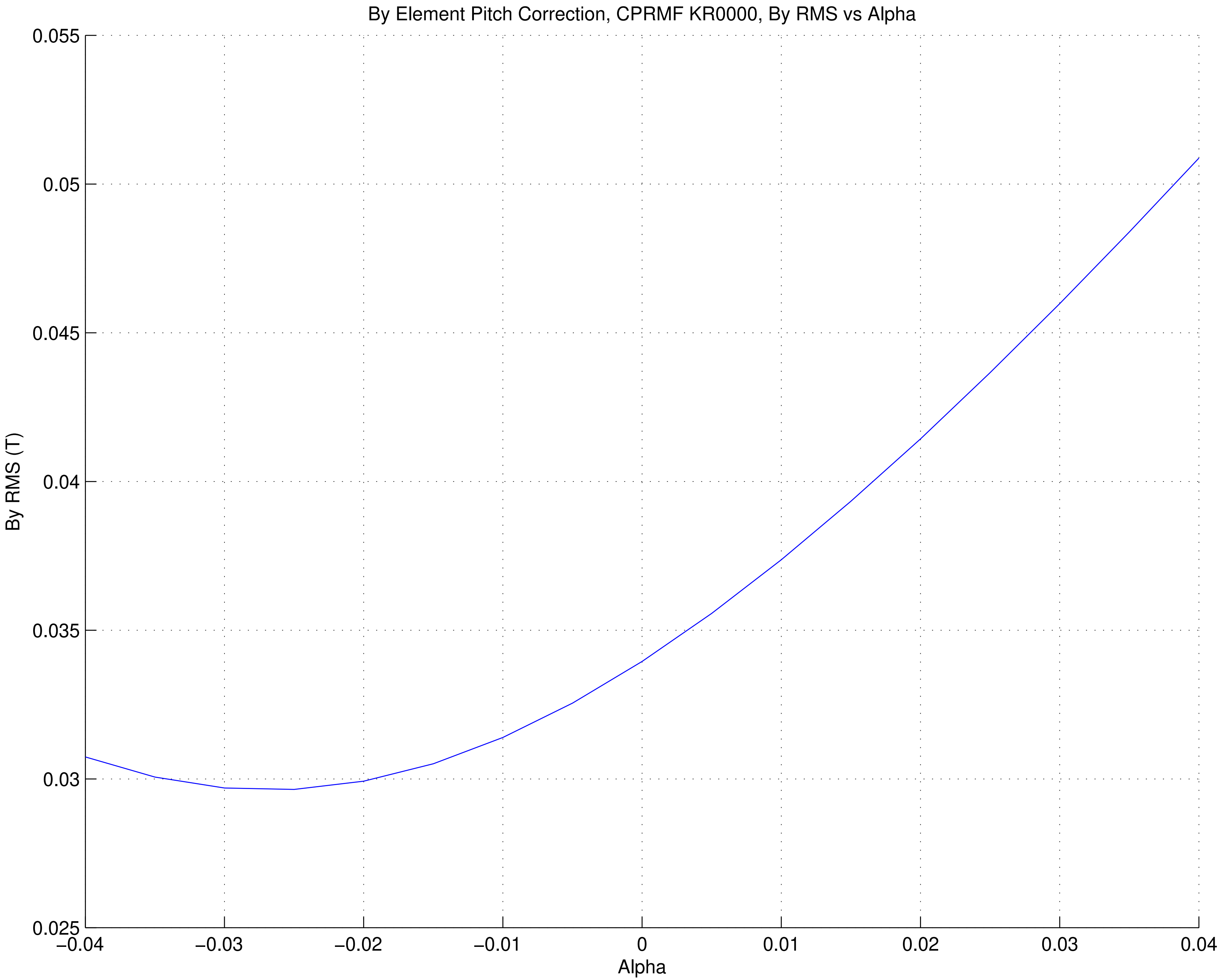


By Element Pitch Correction, CPRMF KR0000, By Fit + Alpha * Bz Par
x 10^−18
8
6
4
2
0
−2
−4
−6
−8
B Par (T)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
Z (m)

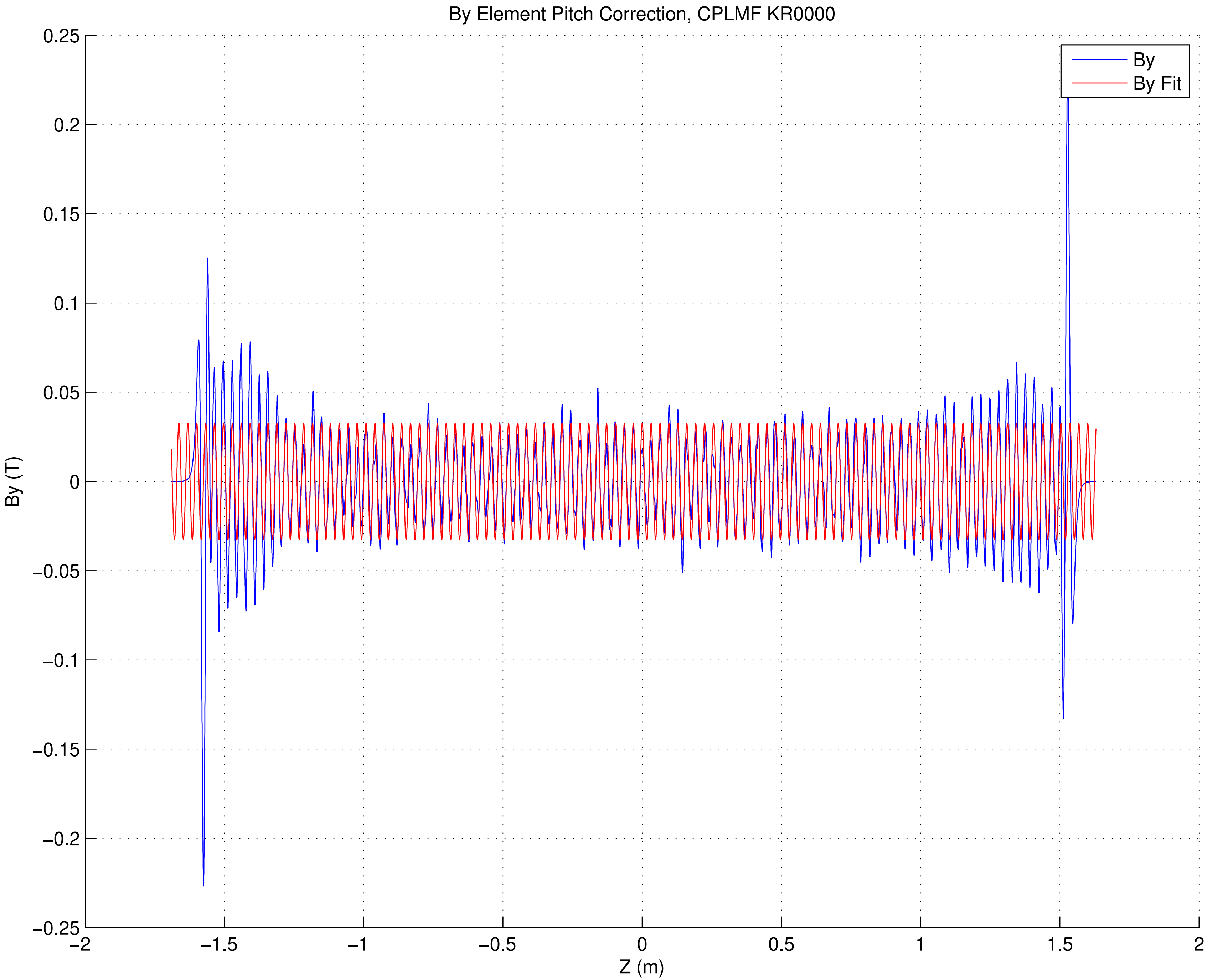

By Element Pitch Correction, CPRMF KR0000
By Fit
Alpha * Bz Perp
B (T)
Z (m)
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

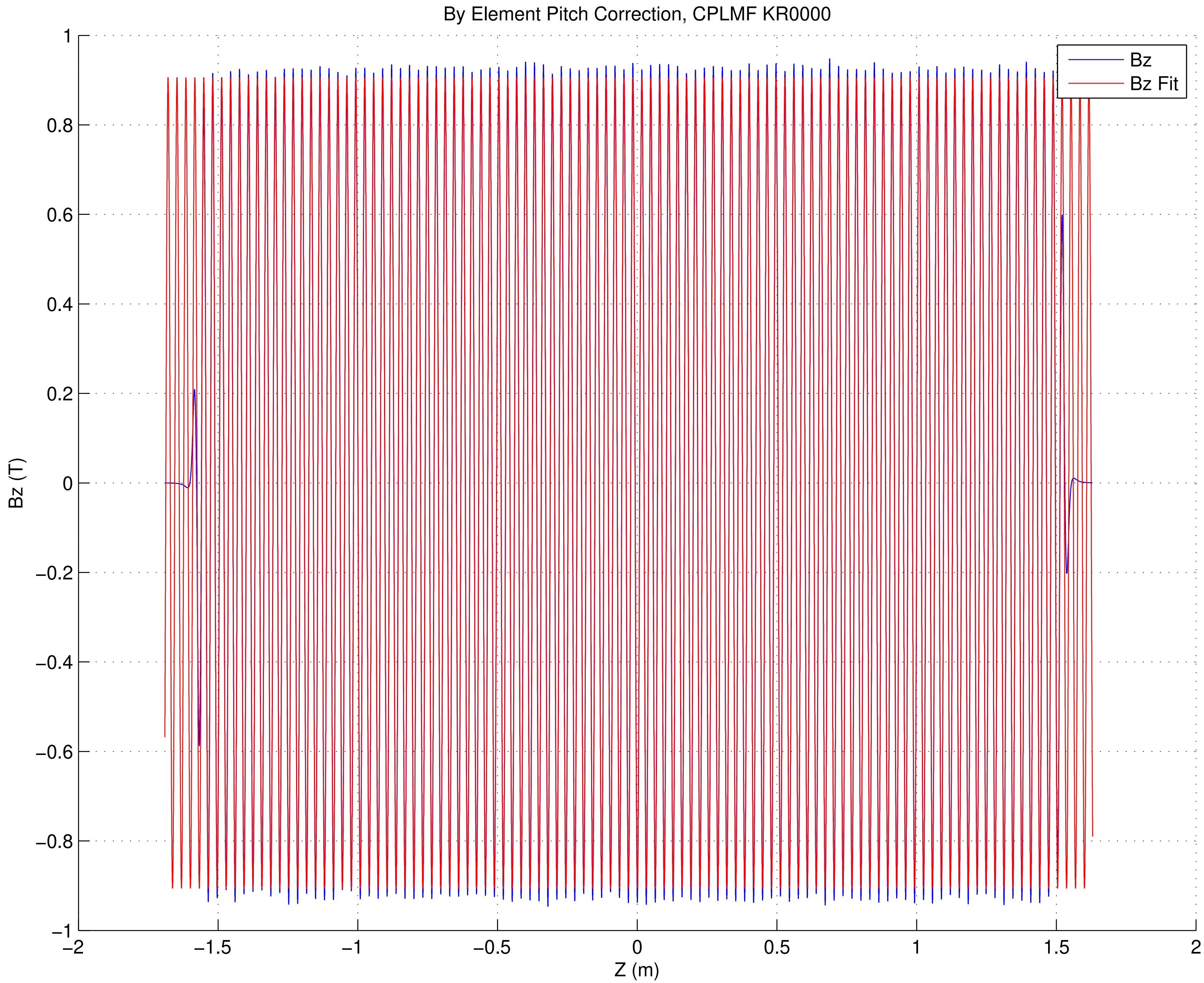

By Element Pitch Correction, CPRMF KR0000, Alpha = −0.062852
By
By Corr
By (T)
Z (m)
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

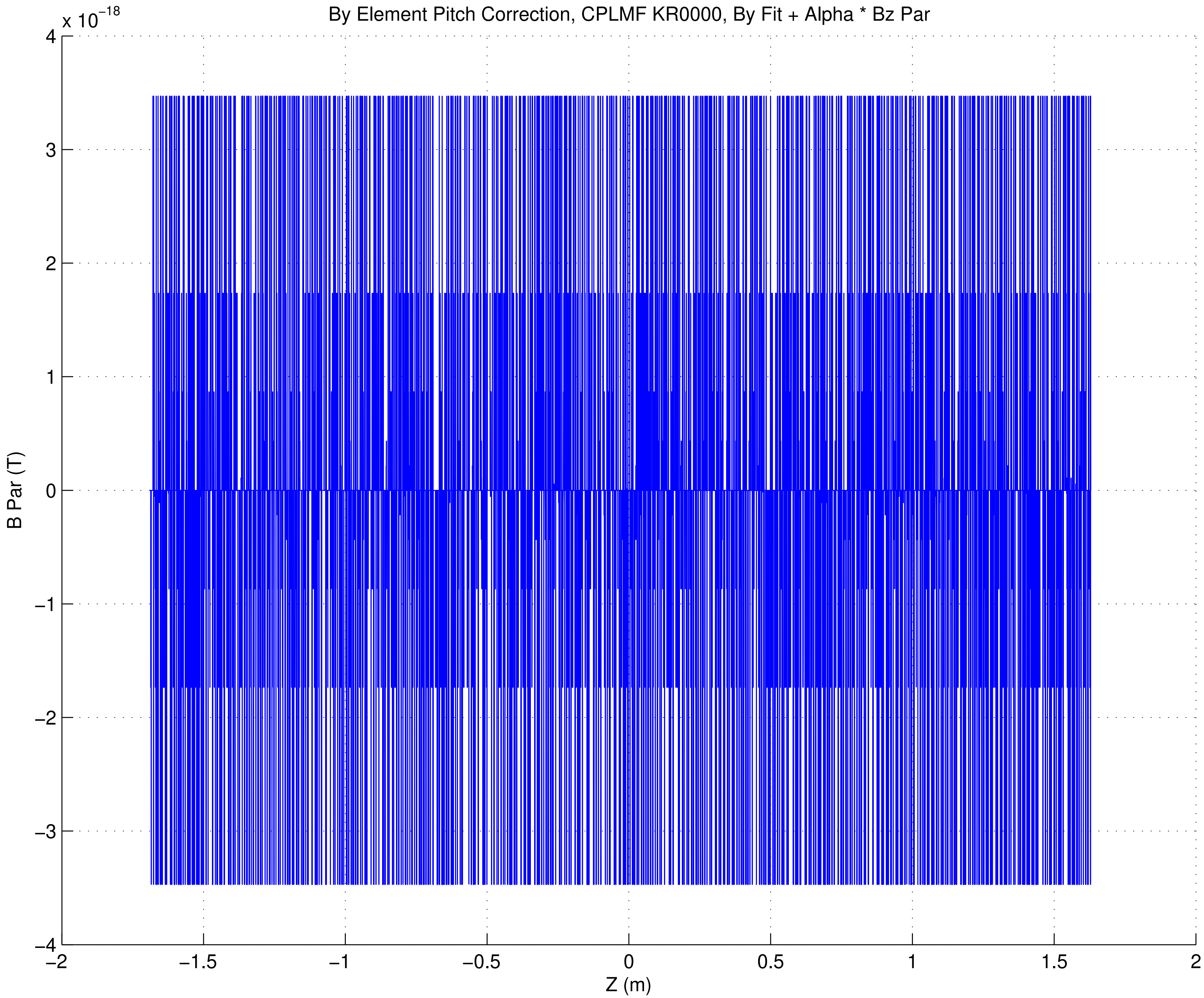

By Element Pitch Correction, CPRMF KR0000, By RMS vs Alpha
By RMS (T)
Alpha
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
−0.11
−0.1
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04
−0.03
−0.02

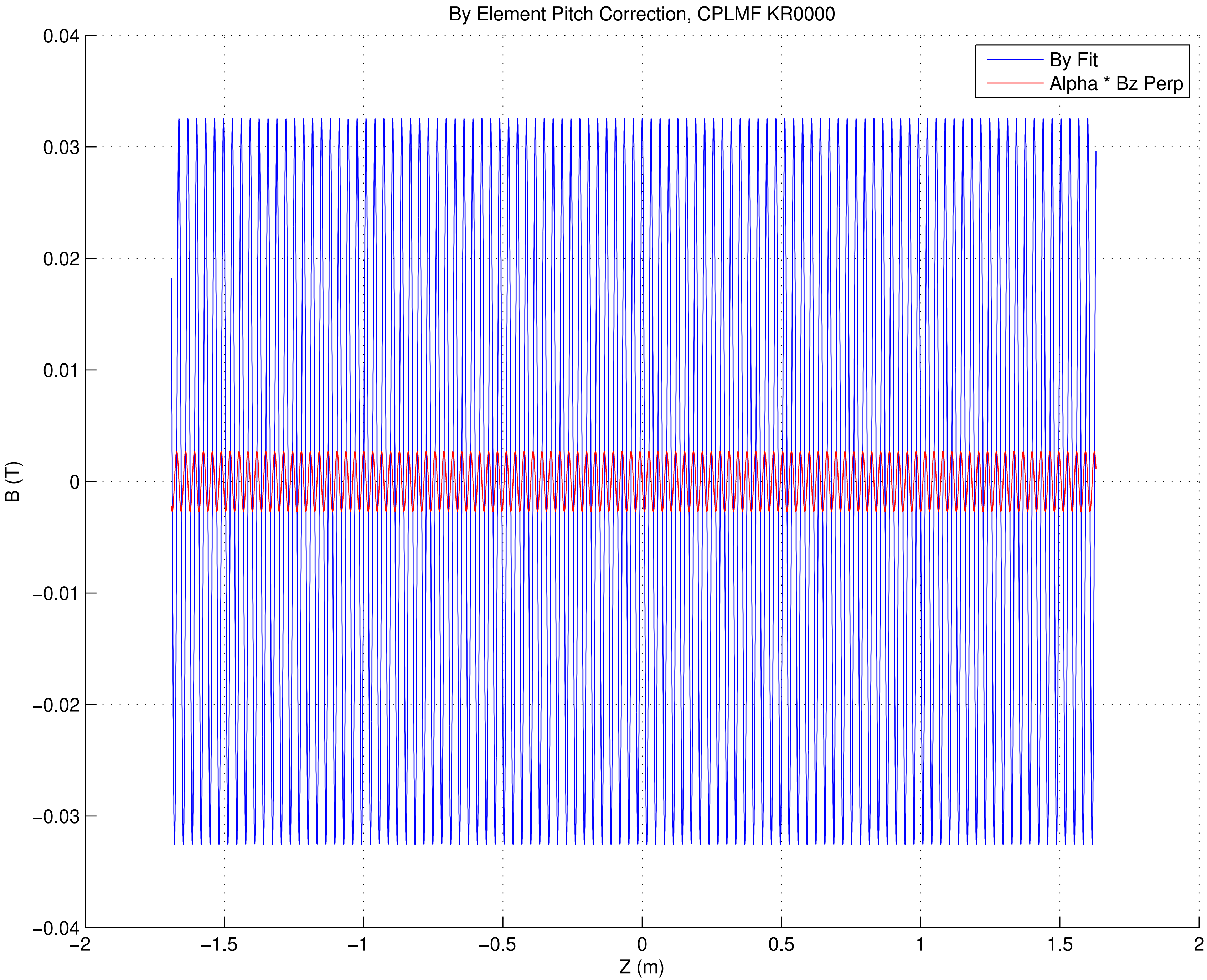


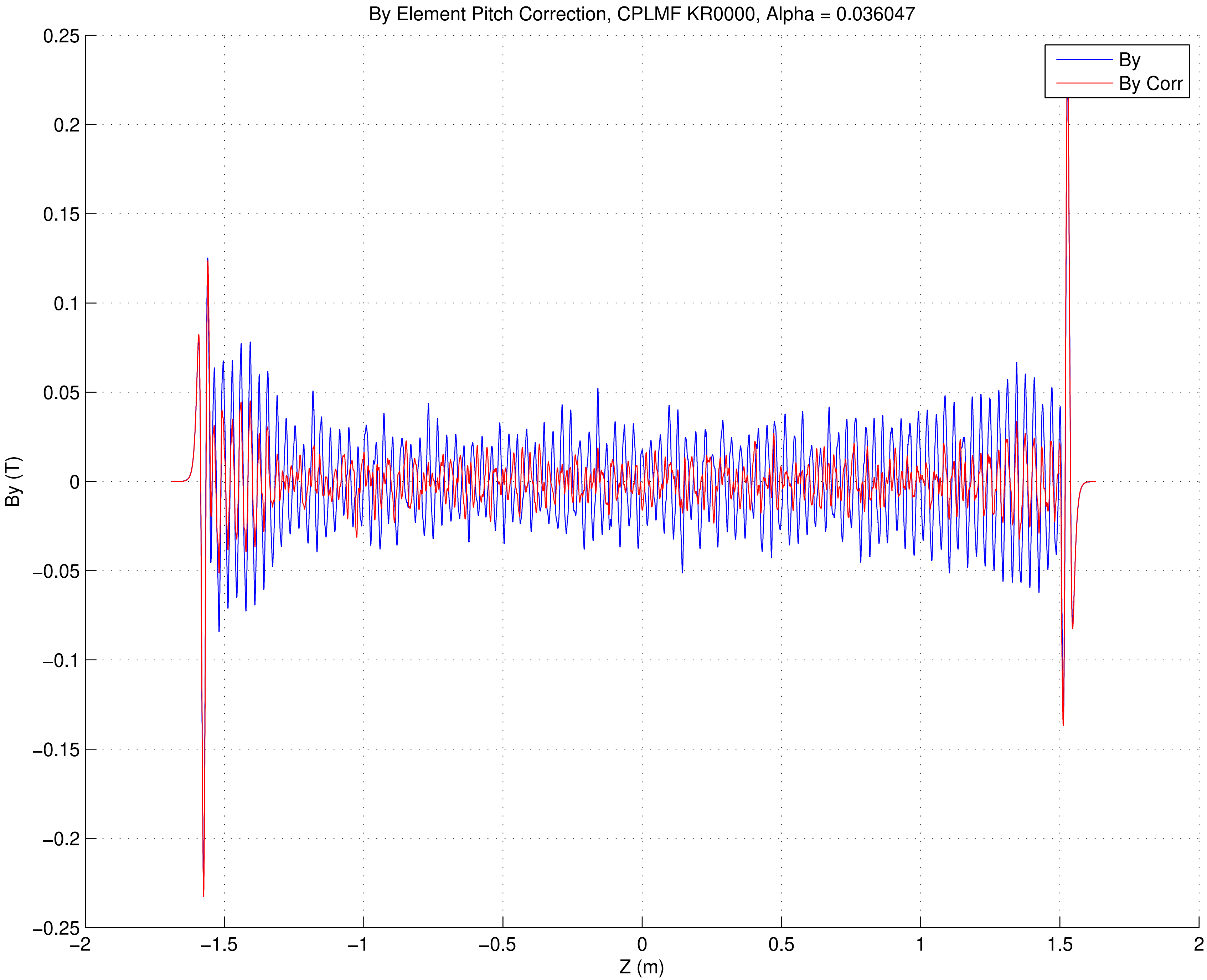
By Element Pitch Correction, CPRMF KR0000, By RMS vs Alpha
By RMS (T)
0.055
0.05
0.045
0.04
0.035
0.03
0.025
−0.04
−0.03
−0.02
−0.01
0
0.01
0.02
0.03
0.04
Alpha


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

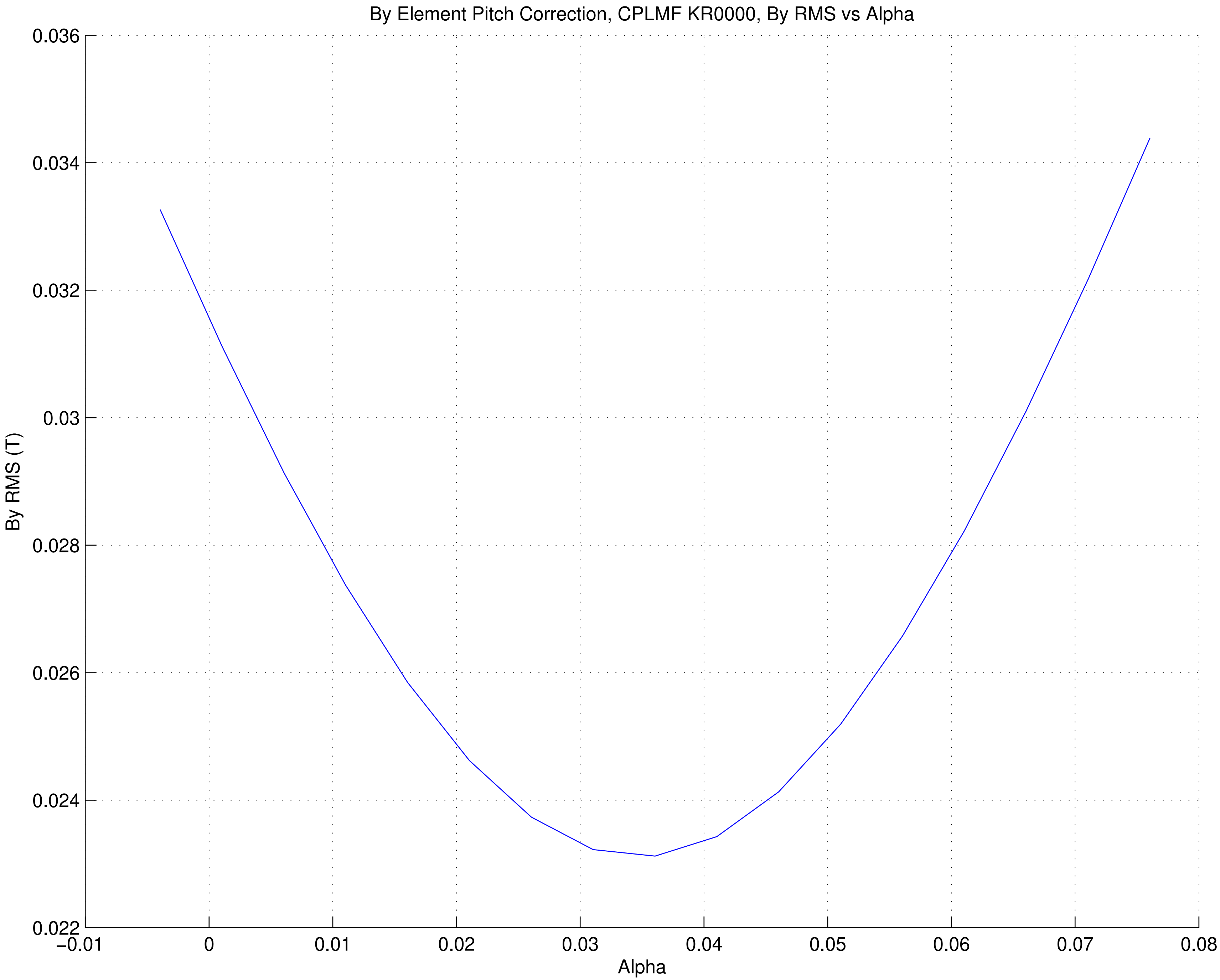

By Element Pitch Correction, CPLMF KR0000
Bz
Bz Fit
Bz (T)
Z (m)
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

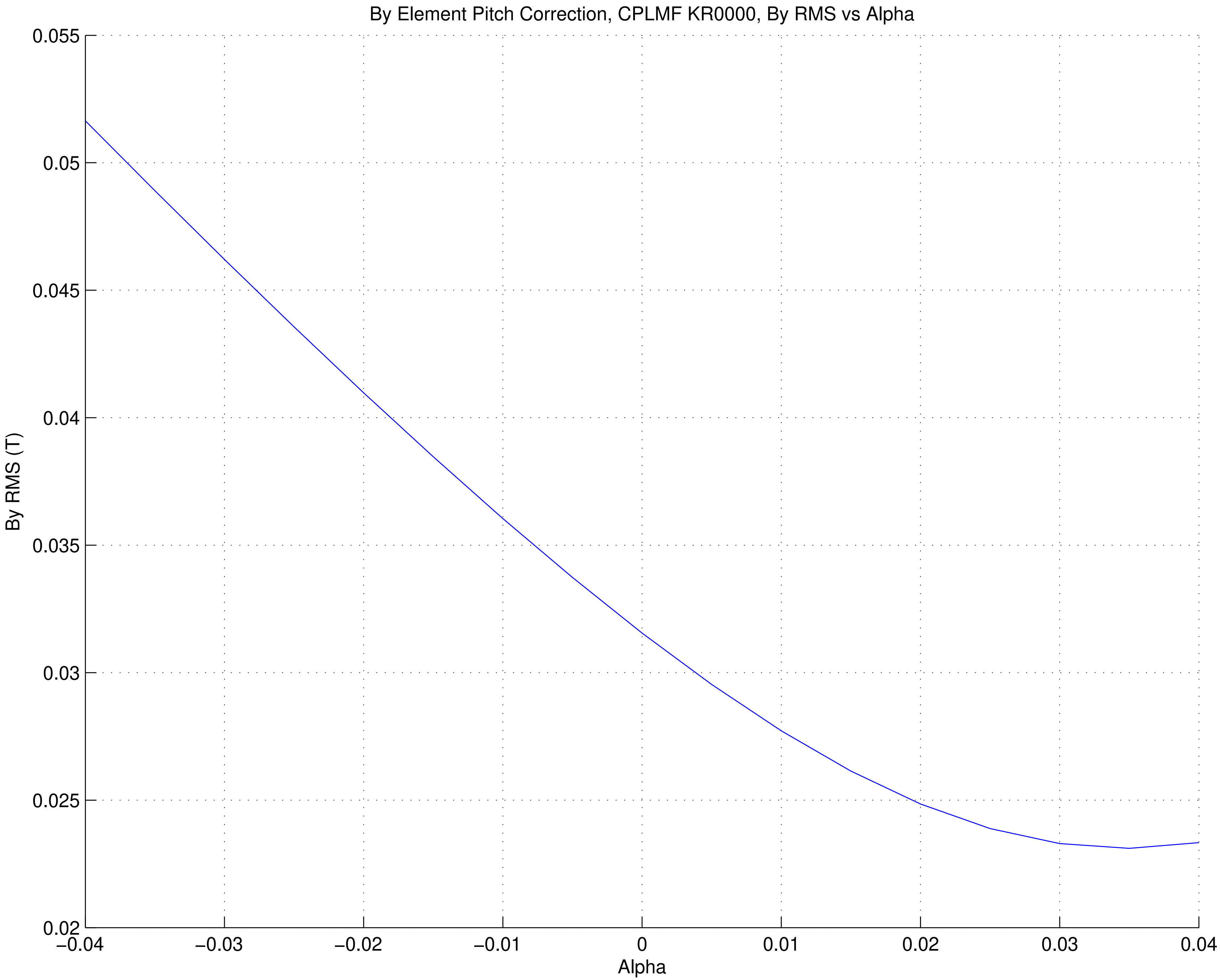

By Element Pitch Correction, CPLMF KR0000, By Fit + Alpha * Bz Par
x 10^-18
B Par (T)
Z (m)
4
3
2
1
0
−1
−2
−3
−4
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

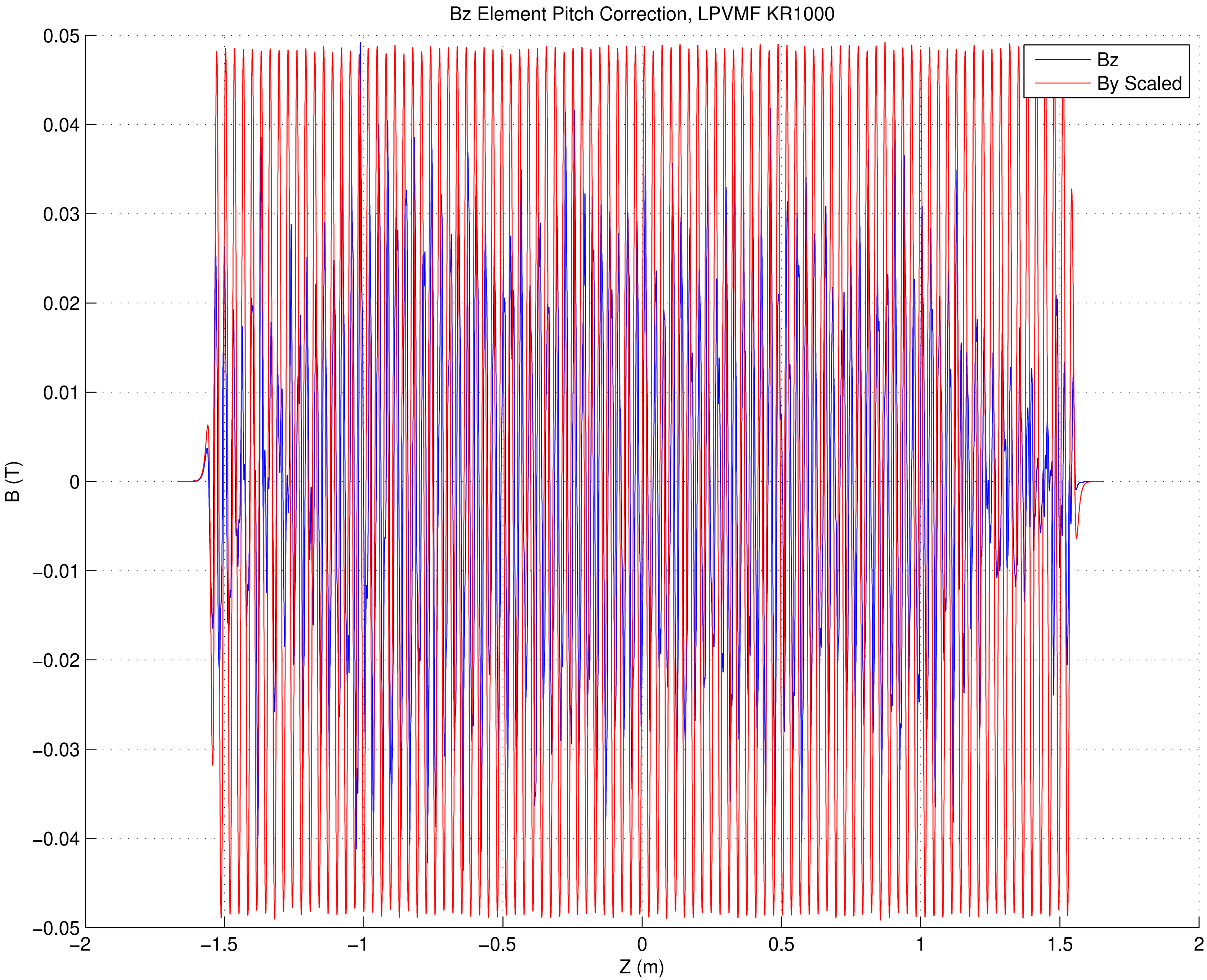

By Element Pitch Correction, CPLMF KR0000
By Fit
Alpha * Bz Perp
B (T)
Z (m)
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

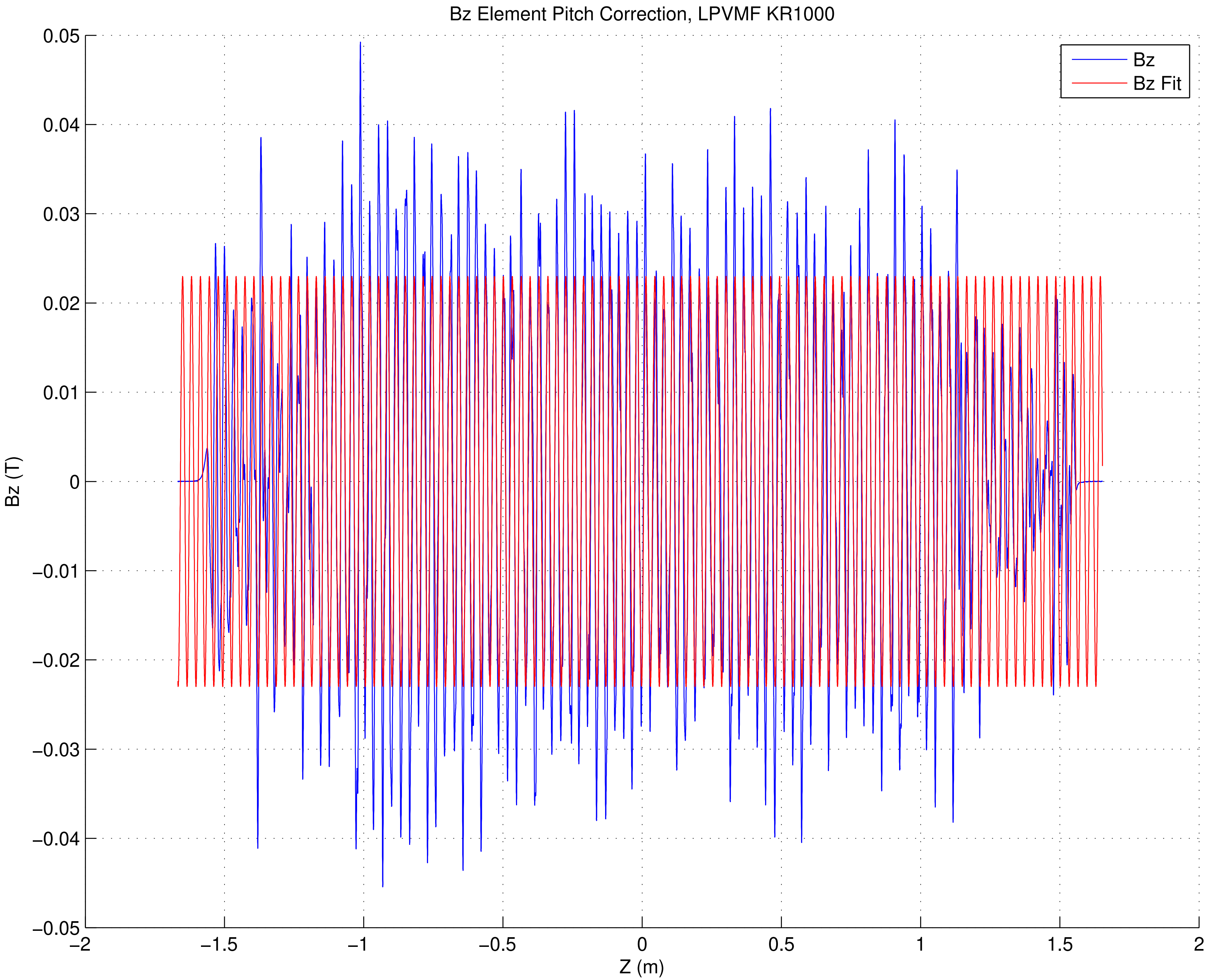


By Element Pitch Correction, CPLMF KR0000, Alpha = 0.036047
By
By Corr
By (T)
Z (m)
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

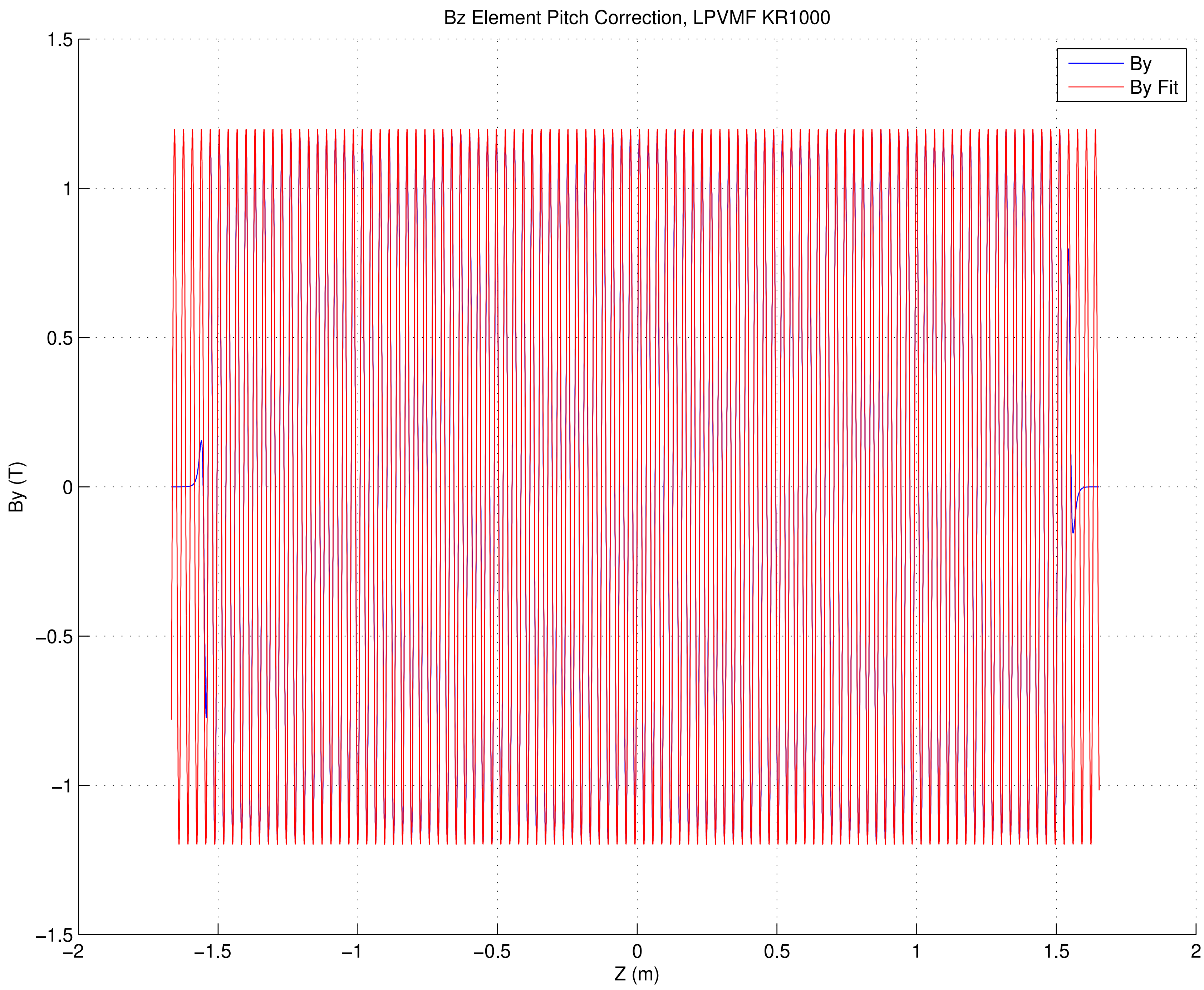

By Element Pitch Correction, CPLMF KR0000, By RMS vs Alpha
By RMS (T)
0.036
0.034
0.032
0.03
0.028
0.026
0.024
0.022
–0.01
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
Alpha


By Element Pitch Correction, CPLMF KR0000, By RMS vs Alpha
By RMS (T)
Alpha
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

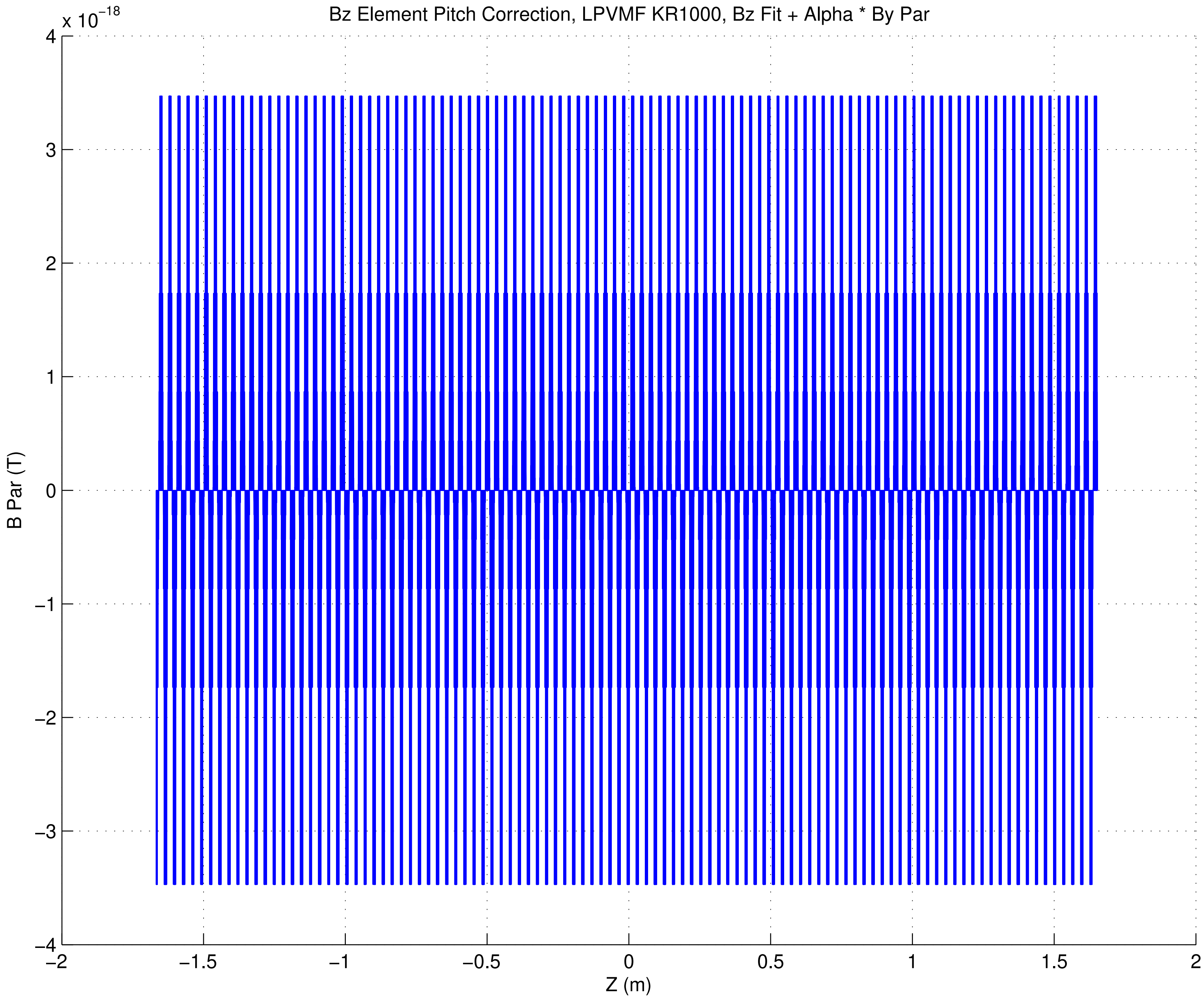

Bz Element Pitch Correction, LPVMF KR1000
Bz
By Scaled
B (T)
Z (m)
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2



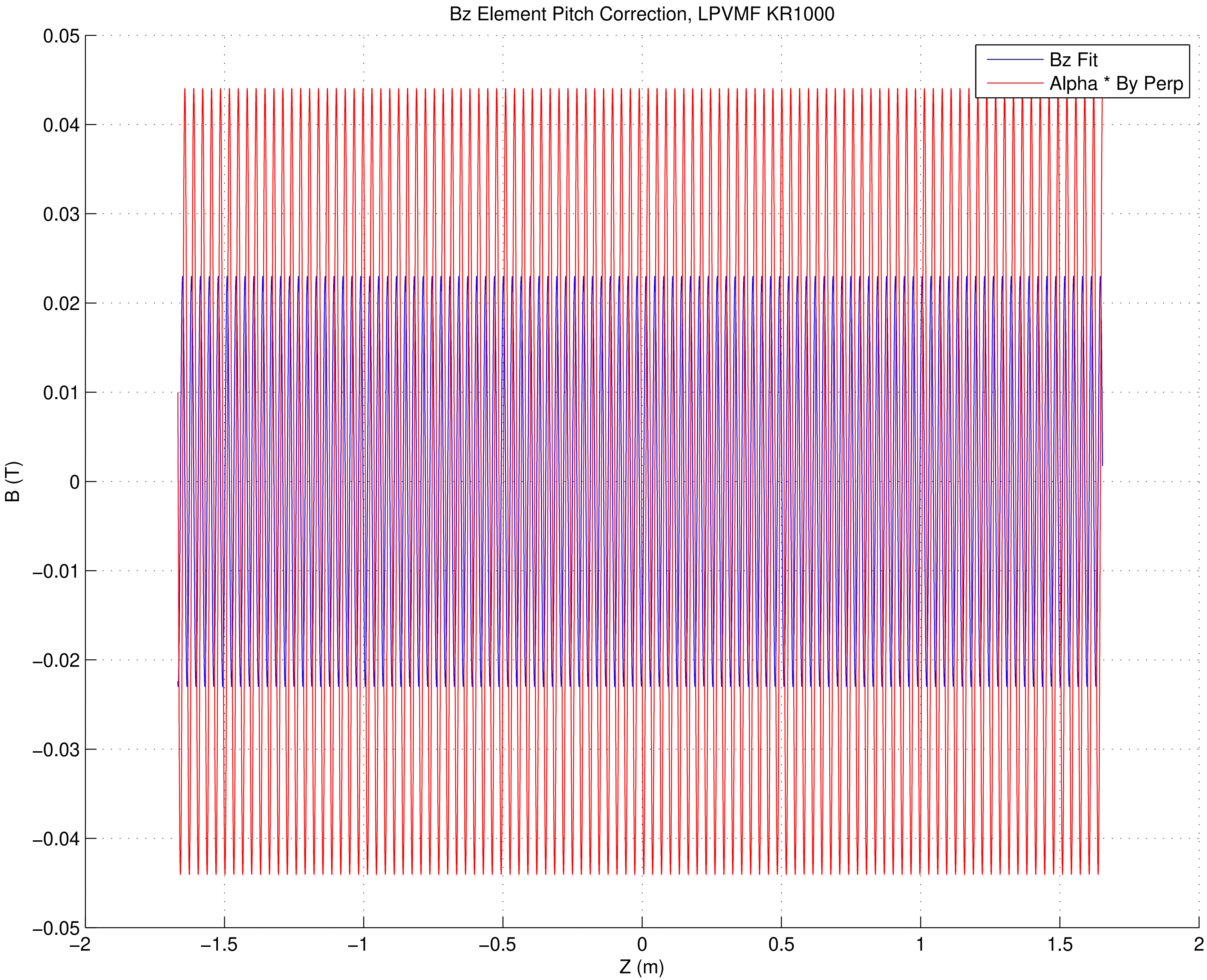
Bz Element Pitch Correction, LPVMF KR1000
Bz
Bz Fit
Bz (T)
Z (m)
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2



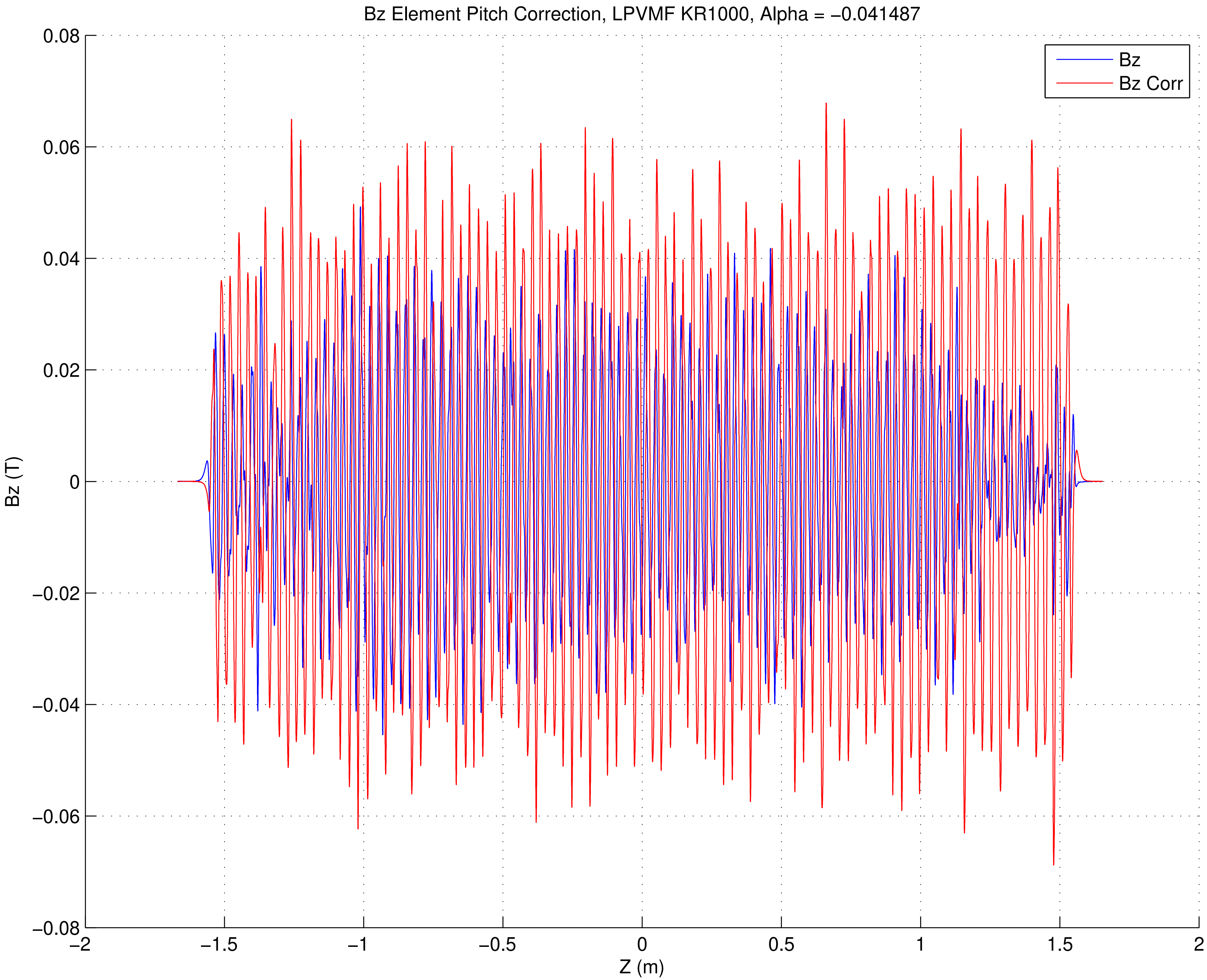
Bz Element Pitch Correction, LPVMF KR1000
By
By Fit
By (T)
Z (m)
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2



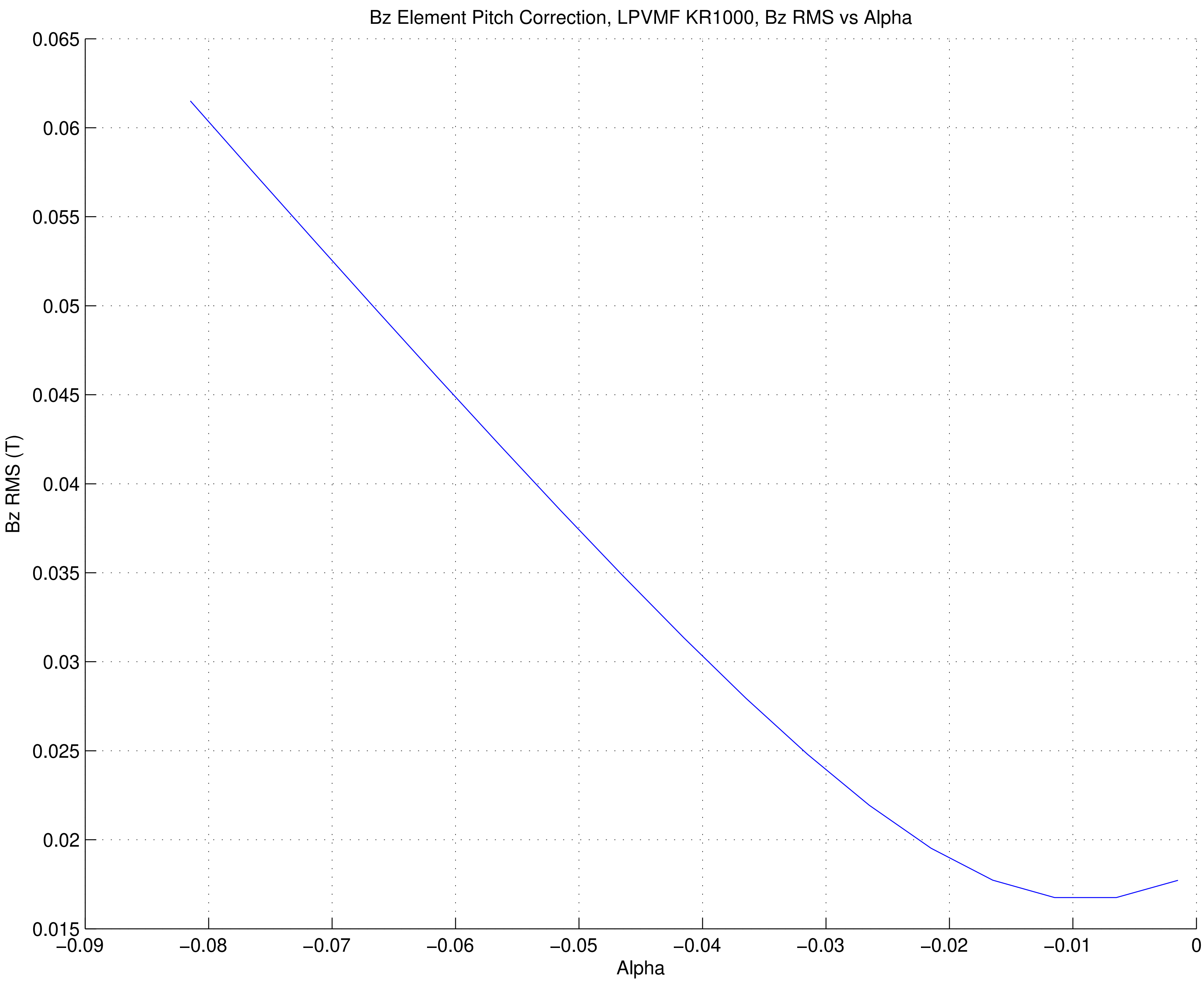
Bz Element Pitch Correction, LPVMF KR1000, Bz Fit + Alpha * By Par
x 10^-18
4
3
2
1
0
−1
−2
−3
−4
B Par (T)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
Z (m)



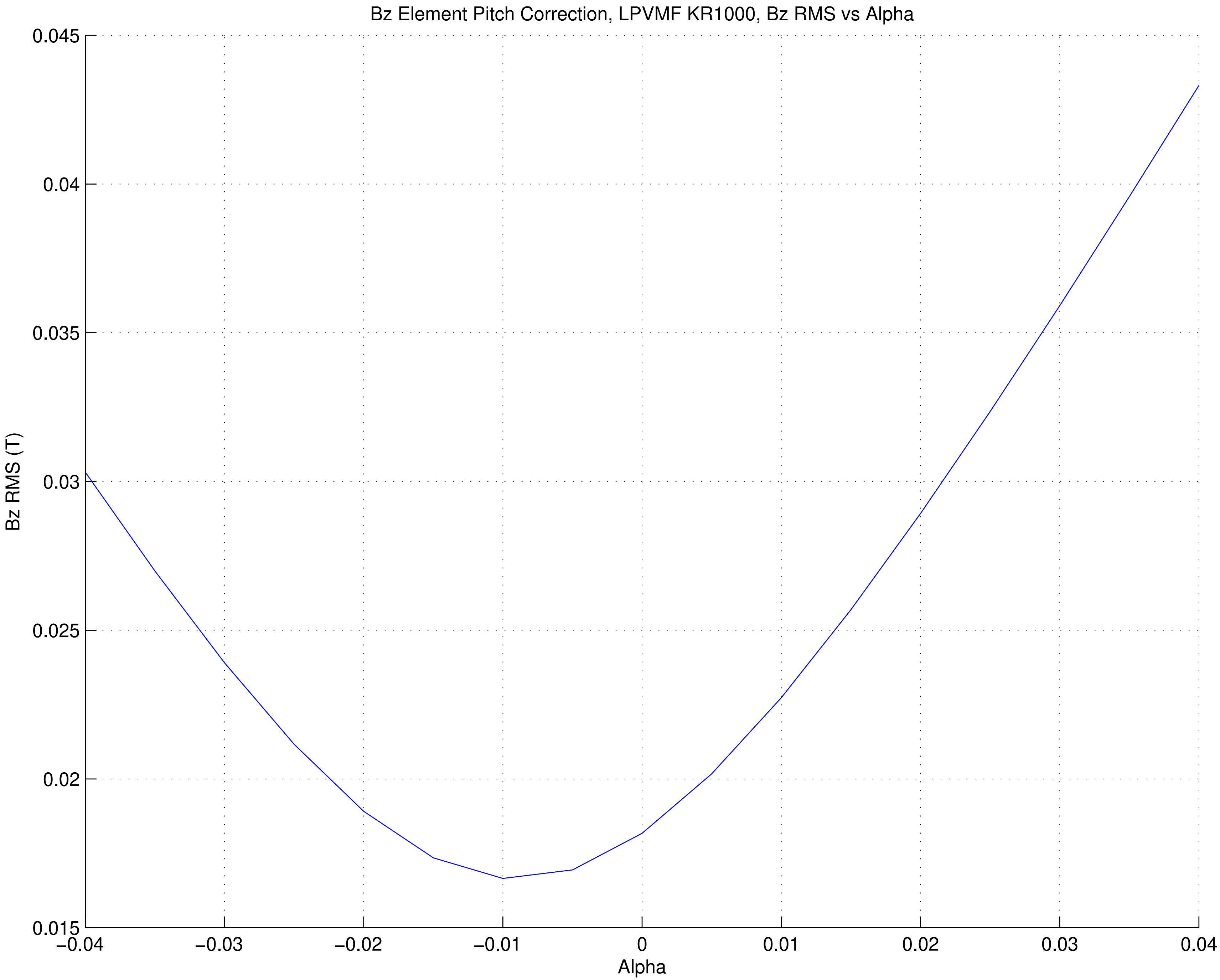
Bz Element Pitch Correction, LPVMF KR1000
Bz Fit
Alpha * By Perp
B (T)
Z (m)
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2



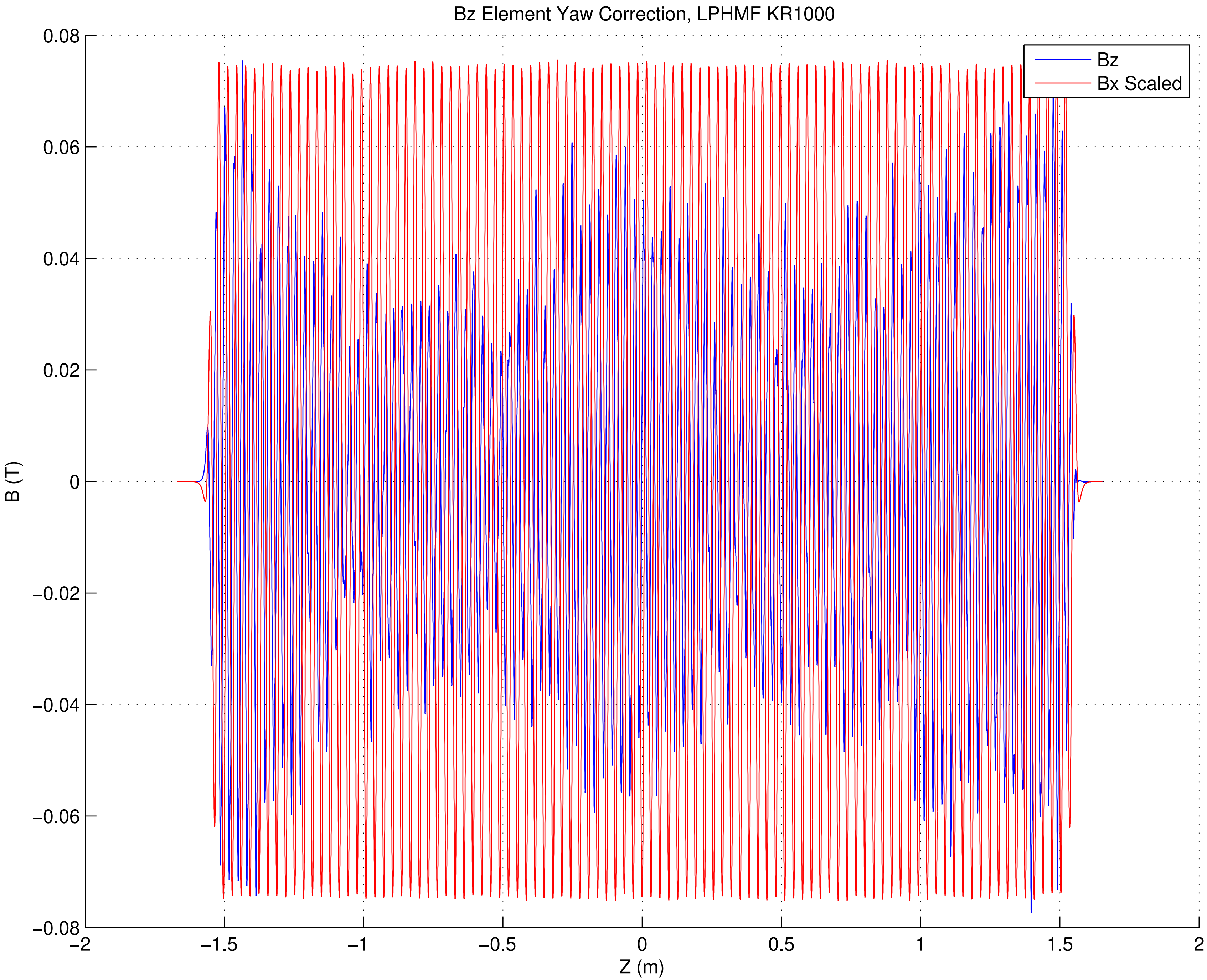
Bz Element Pitch Correction, LPVMF KR1000, Alpha = −0.041487
Bz
Bz Corr
Bz (T)
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
Z (m)

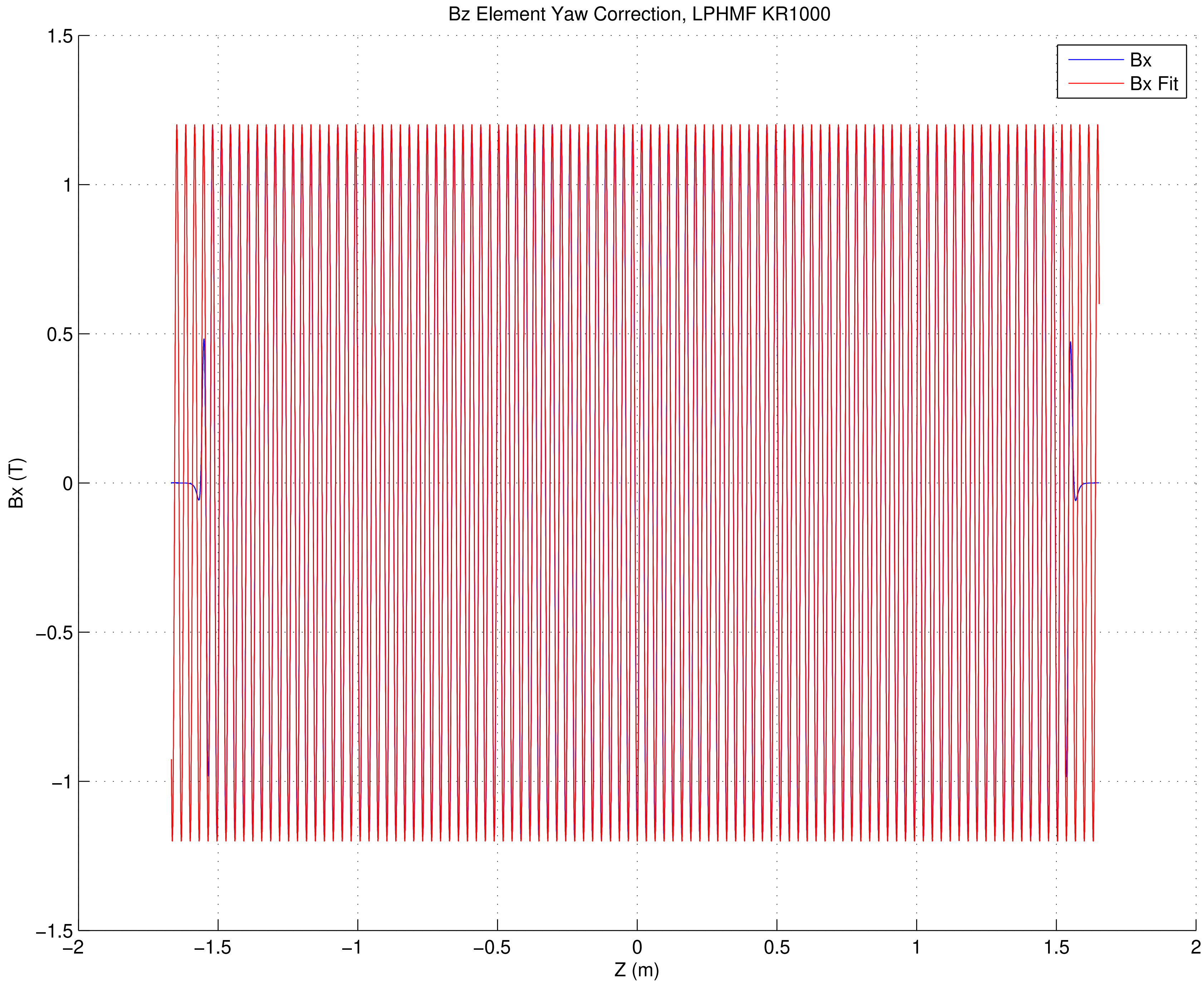


Bz Element Pitch Correction, LPVMF KR1000, Bz RMS vs Alpha
Bz RMS (T)
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
−0.09
−0.08
−0.07
−0.06
−0.05
−0.04
−0.03
−0.02
−0.01
0
Alpha

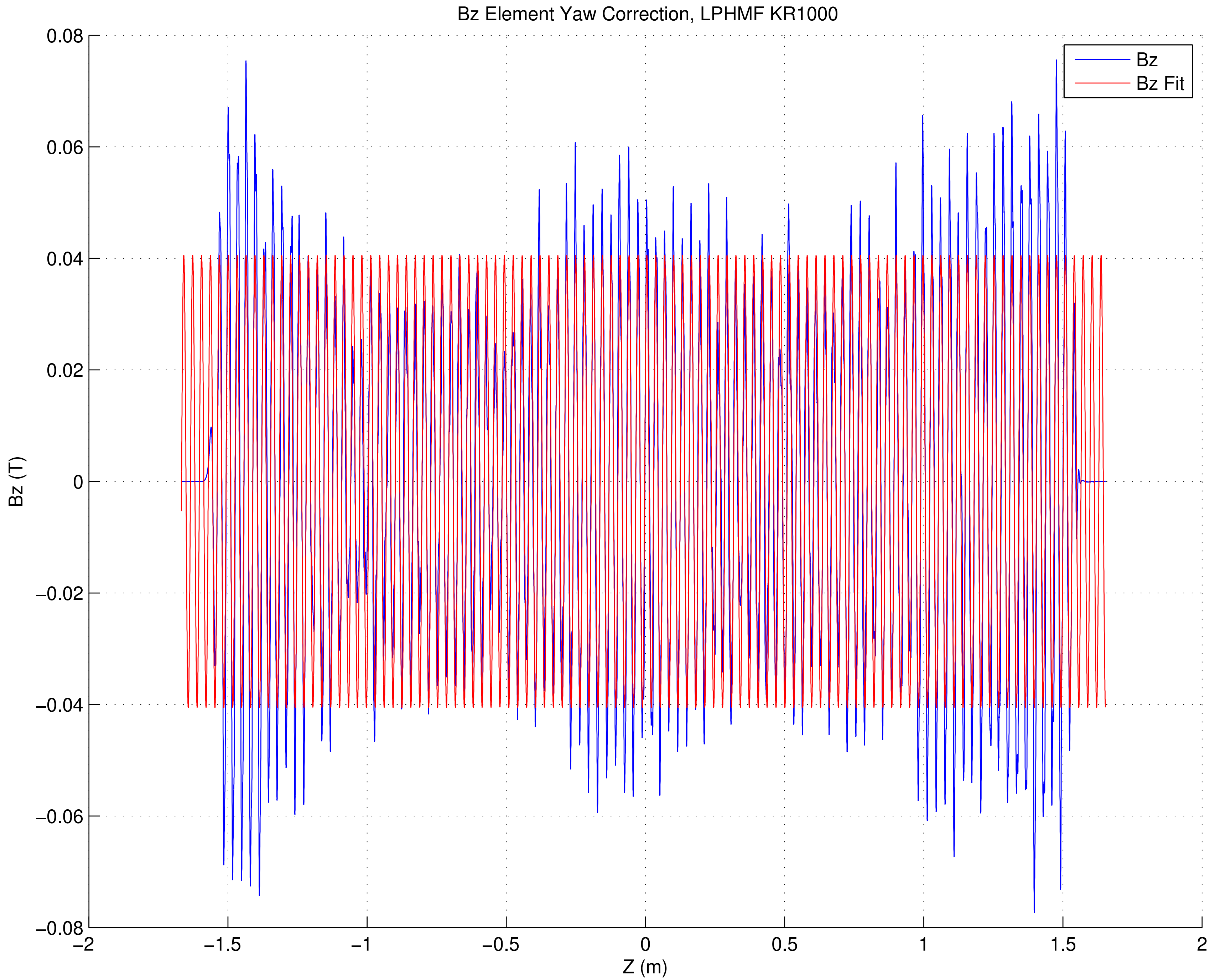


Bz Element Pitch Correction, LPVMF KR1000, Bz RMS vs Alpha
0.045
0.04
0.035
0.03
0.025
0.02
0.015
Bz RMS (T)
−0.04
−0.03
−0.02
−0.01
0
0.01
0.02
0.03
0.04
Alpha

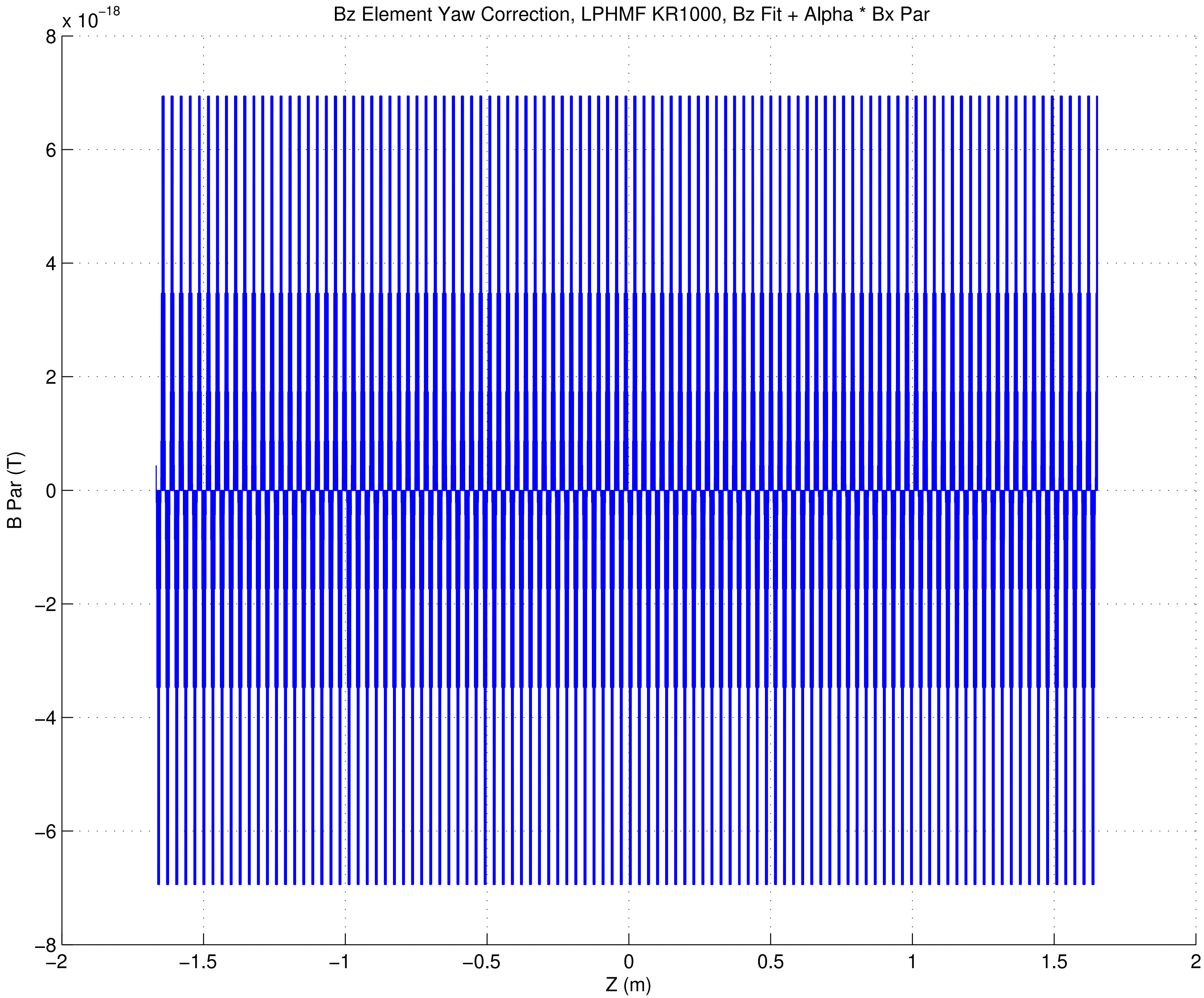

Bz Element Yaw Correction, LPHMF KR1000
Bz
Bx Scaled
B (T)
Z (m)
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2



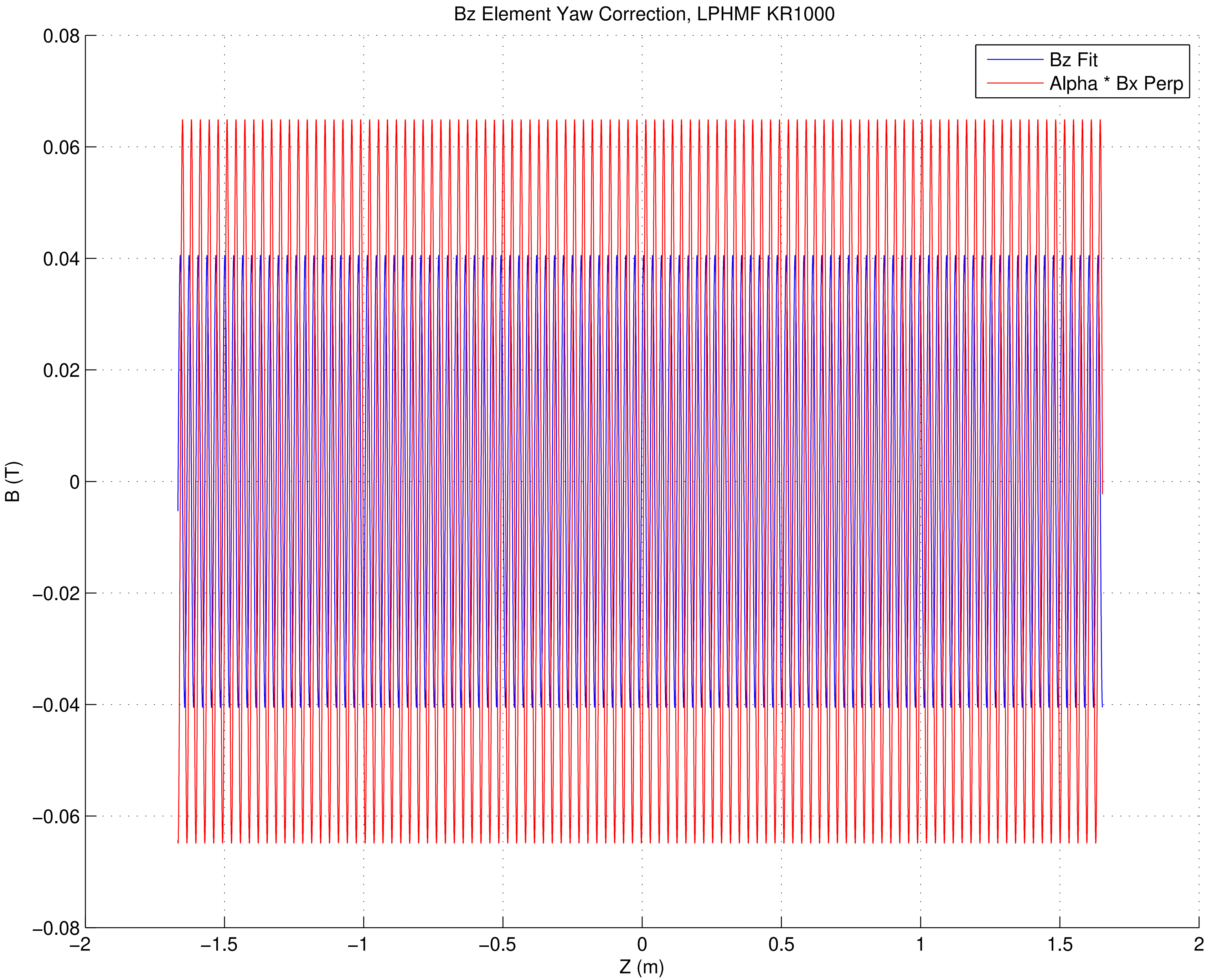
Bz Element Yaw Correction, LPHMF KR1000
Bx
Bx Fit
Bx (T)
Z (m)
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2



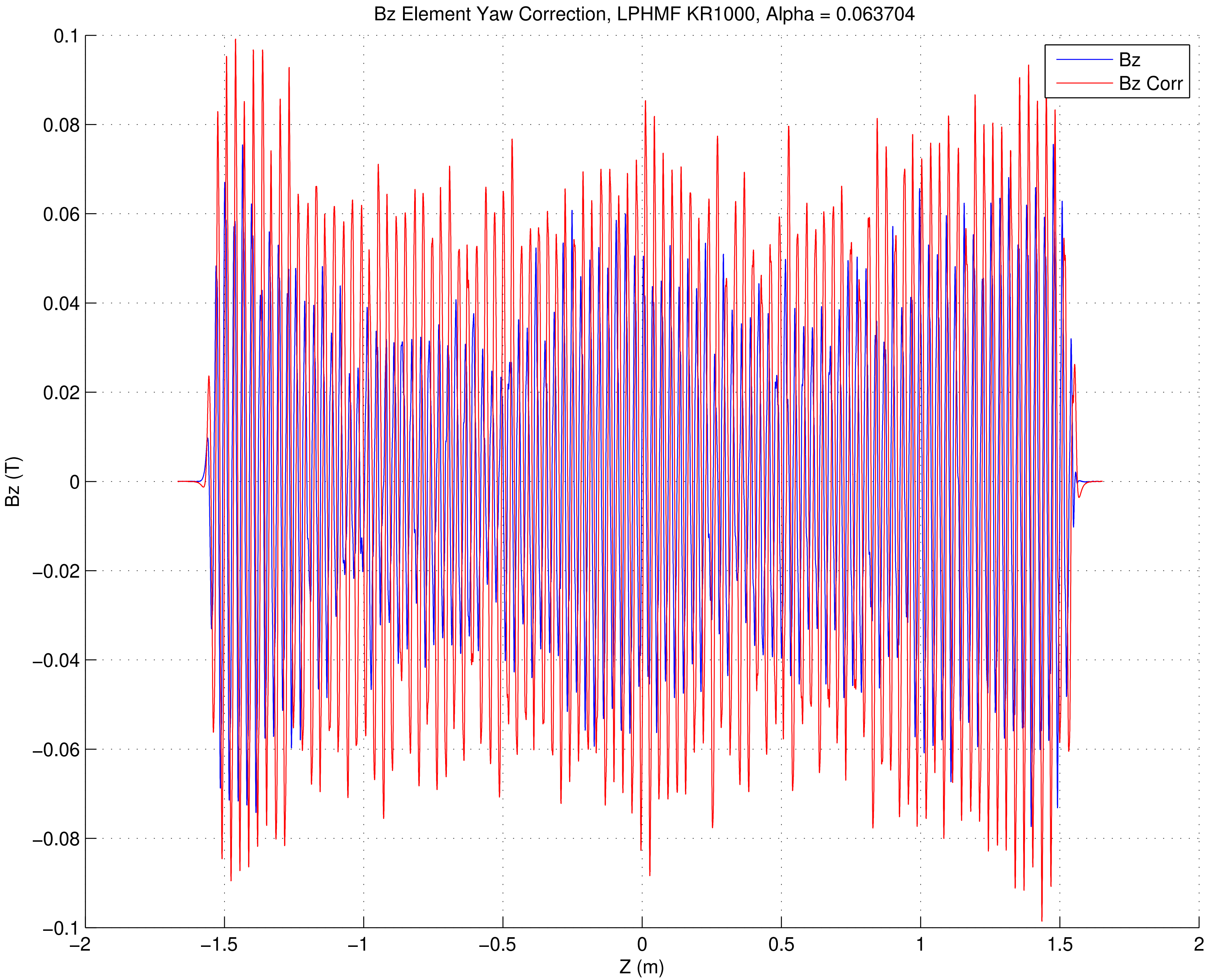
Bz Element Yaw Correction, LPHMF KR1000
Bz
Bz Fit
Bz (T)
Z (m)
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2

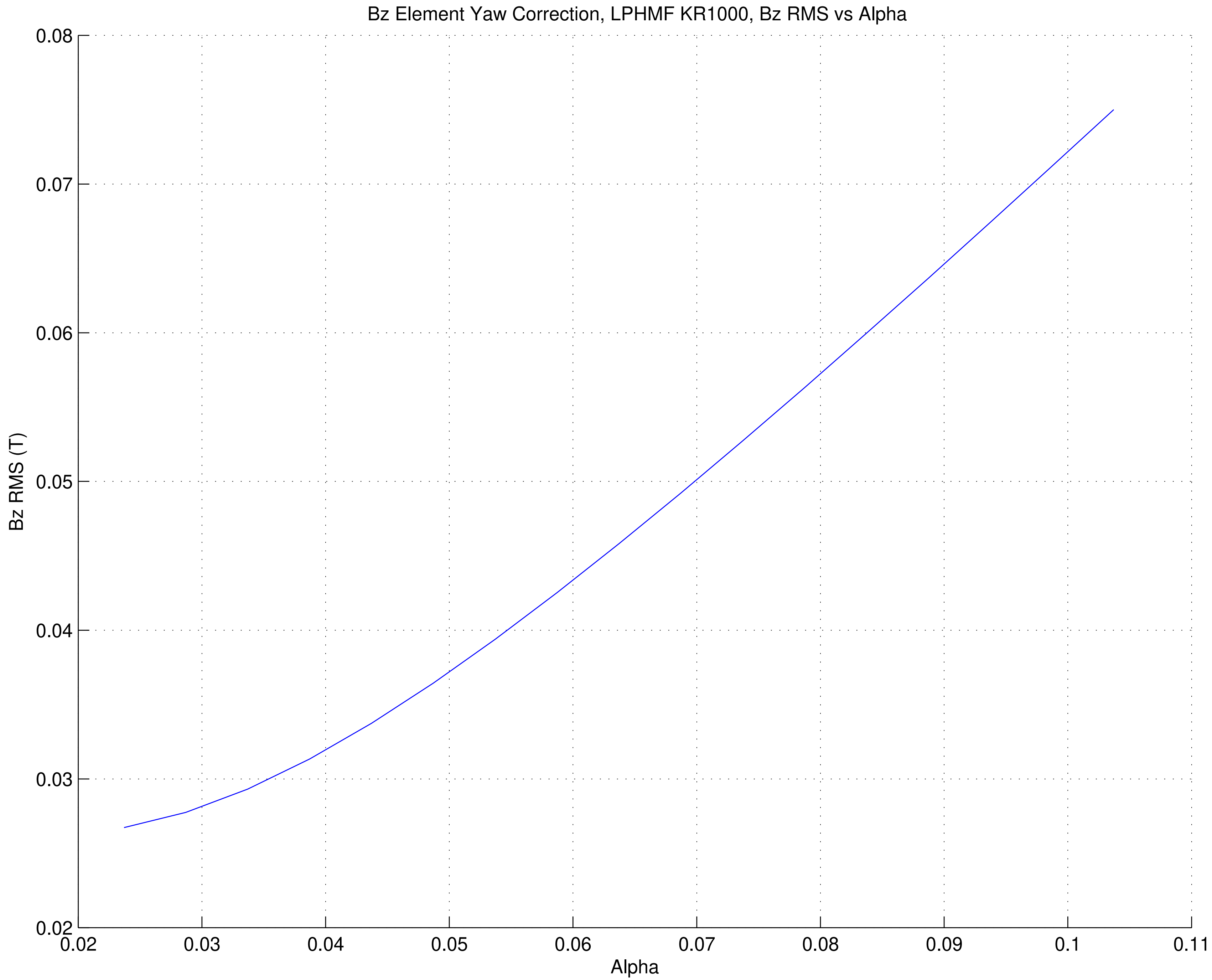


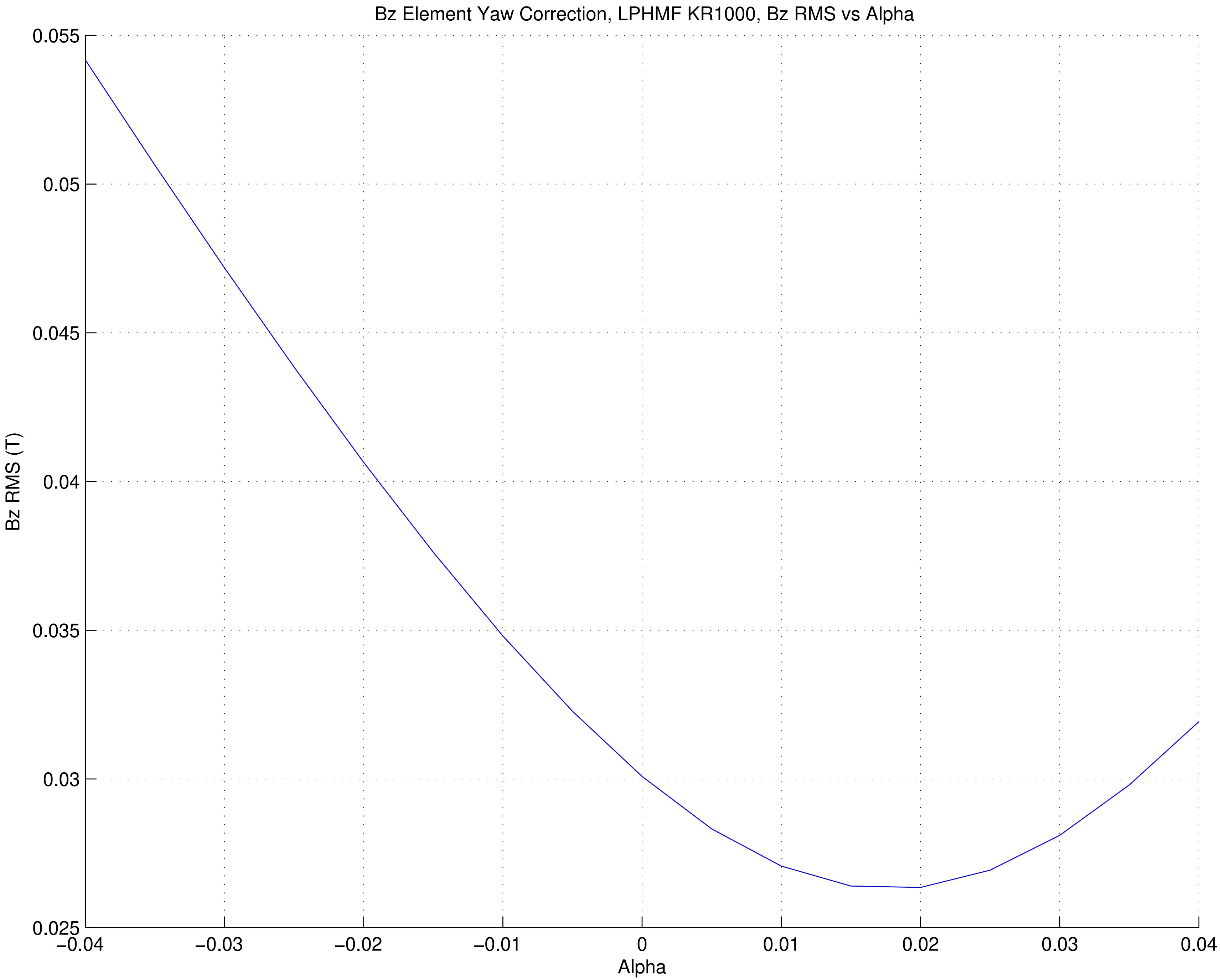
Bz Element Yaw Correction, LPHMF KR1000, Bz Fit + Alpha * Bx Par
x 10^-18
8
6
4
2
0
−2
−4
−6
−8
B Par (T)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
Z (m)



Bz Element Yaw Correction, LPHMF KR1000
Bz Fit
Alpha * Bx Perp
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 Yaw Correction, LPHMF KR1000, Alpha = 0.063704
Bz
Bz Corr
Bz (T)
Z (m)
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−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)
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.1
0.11
Alpha


Bz Element Yaw Correction, LPHMF KR1000, Bz RMS vs Alpha
0.055
0.05
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