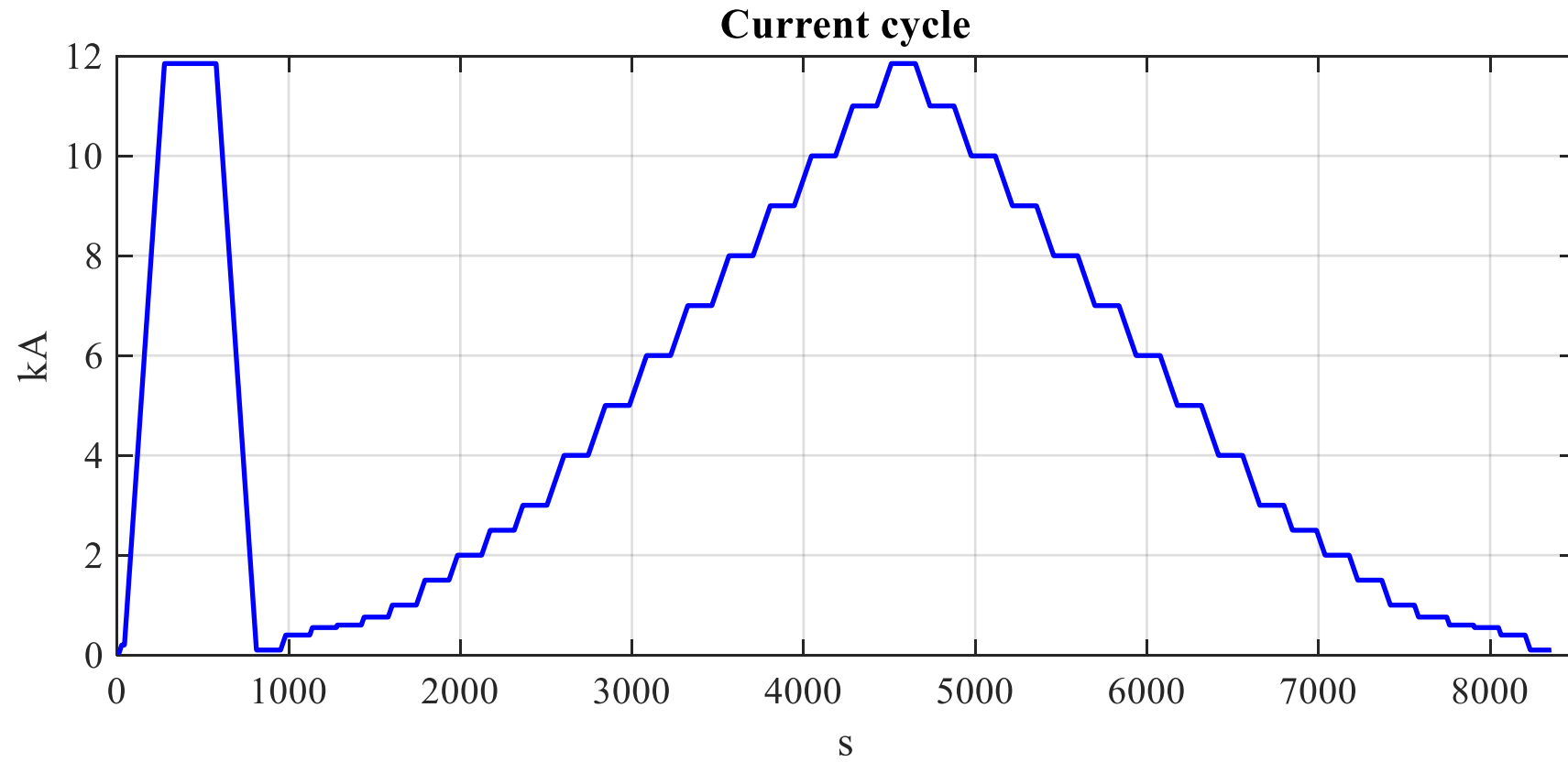


MM on MBHA-001

Lucio Fiscarelli

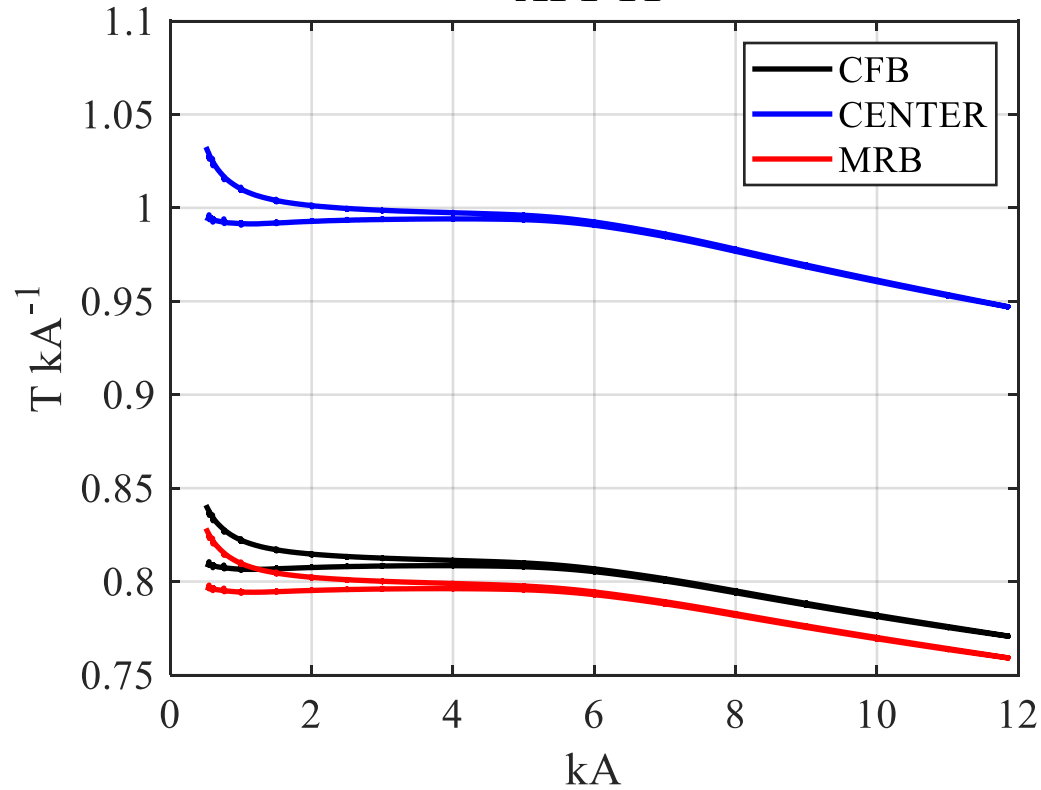
Current



TF

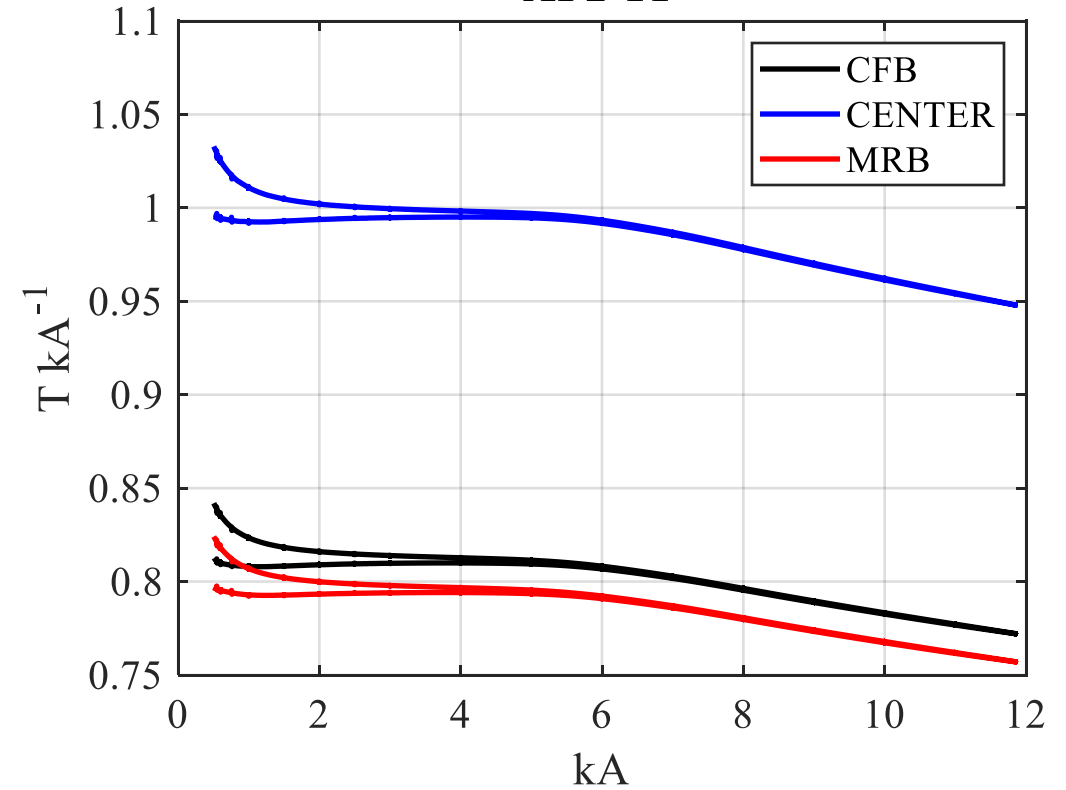
59.566 Tm at 11850 A

AP1 TF



59.537 Tm at 11850 A

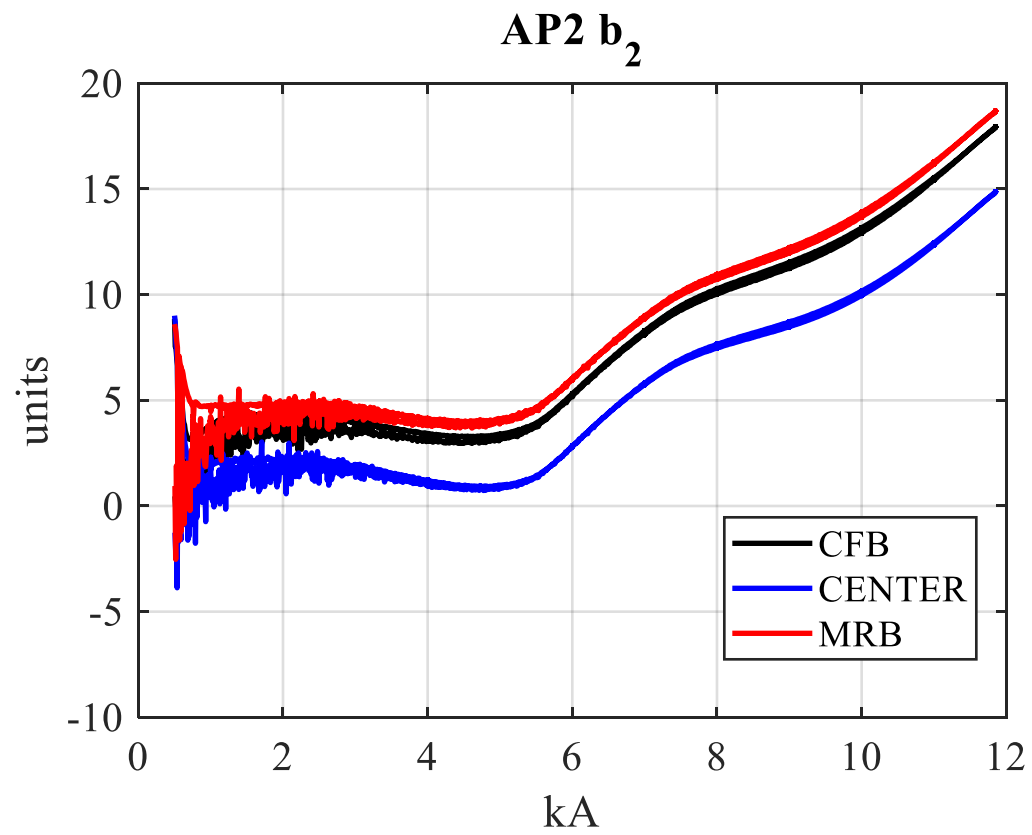
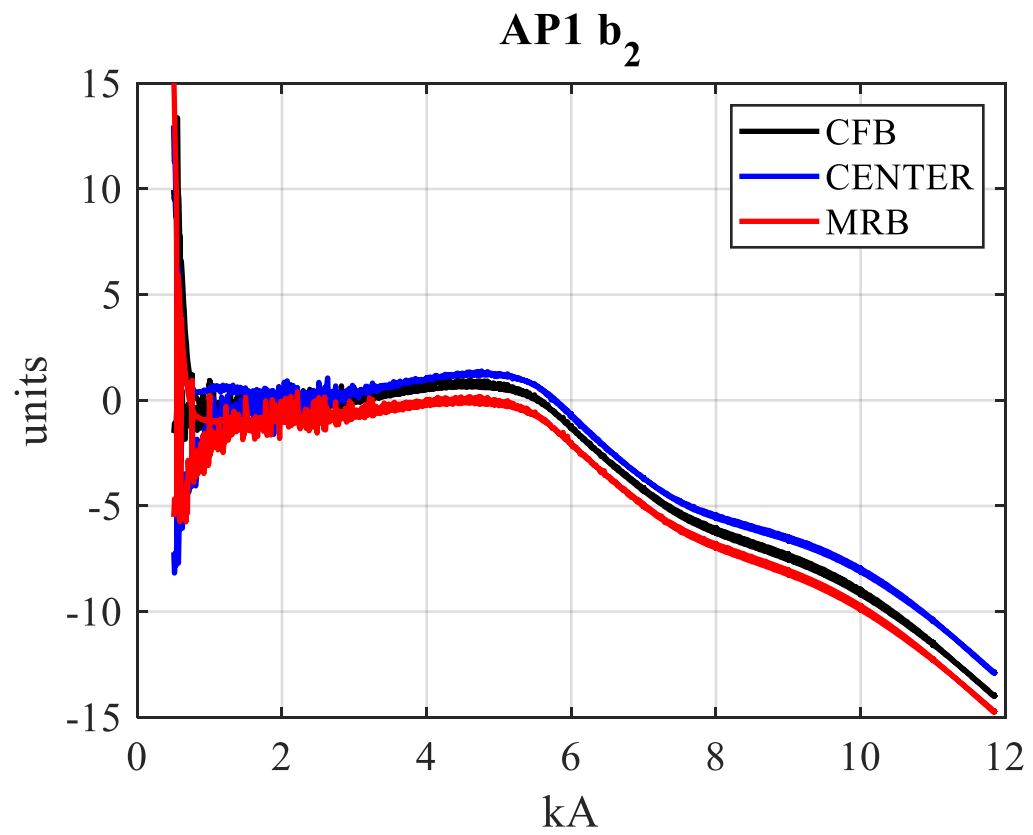
AP2 TF



The difference $\text{TF_AP1} - \text{TF_AP2}$ is 5 units

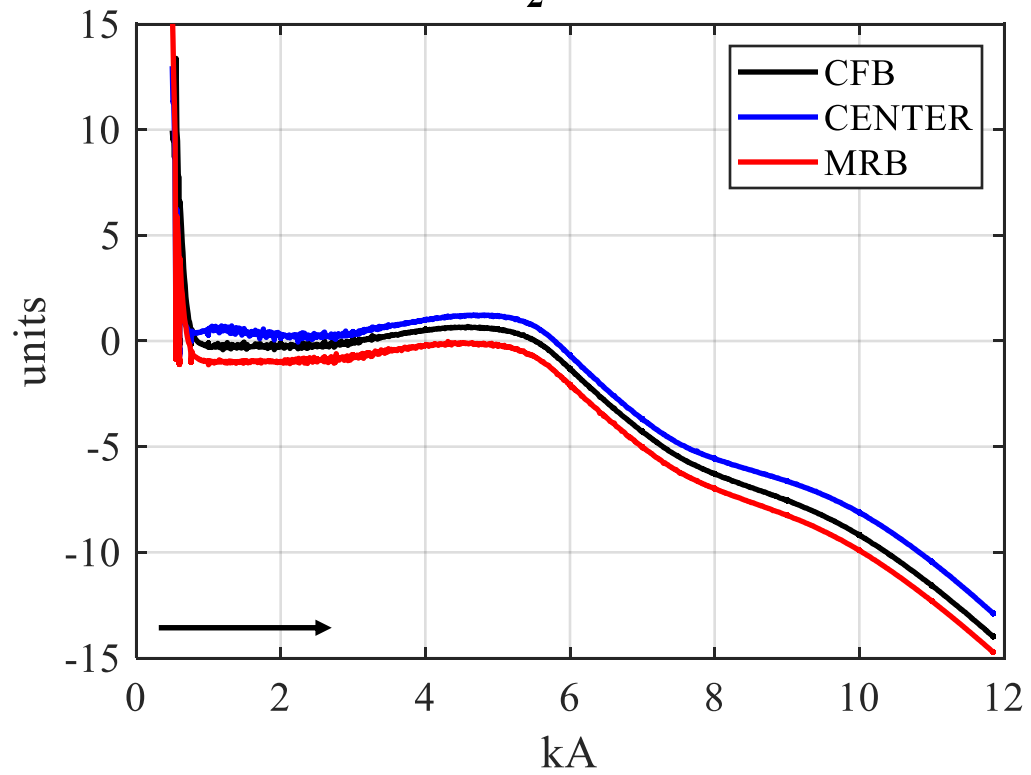
On MBHB-002 $\text{TF_AP1} = 59.500 \text{ Tm}$ and $\text{TF_AP2} = 59.579 \text{ Tm}$ (diff -13 units)

b2

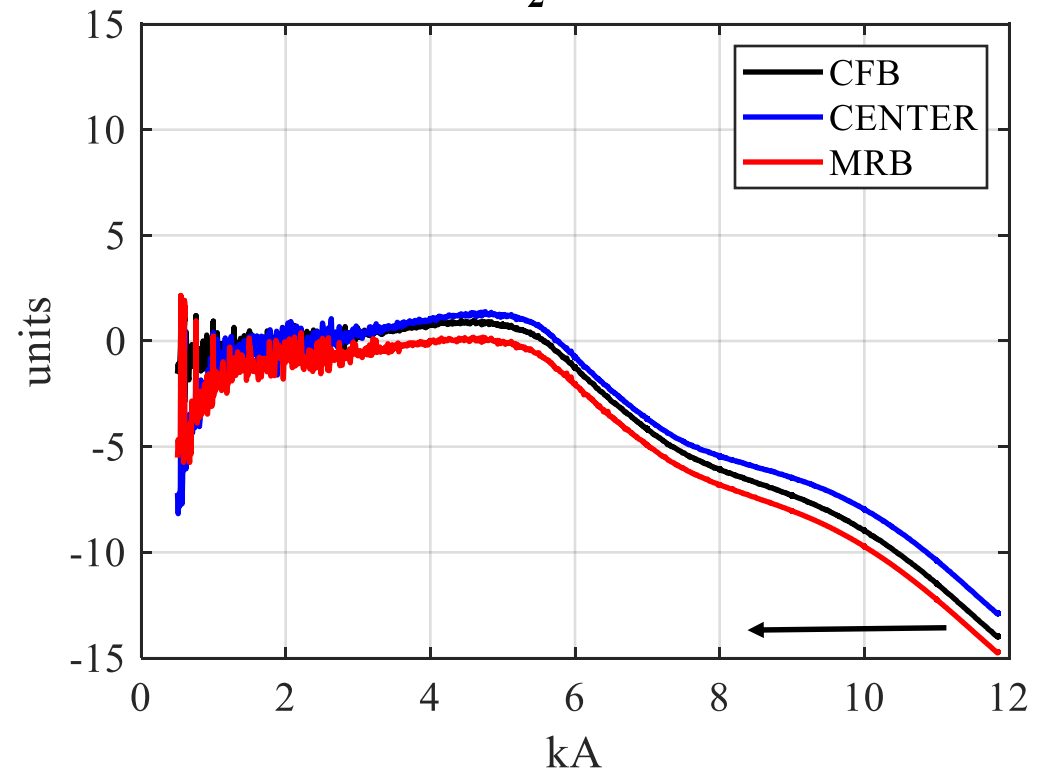


b2 AP1

AP1 b_2 up-ramp

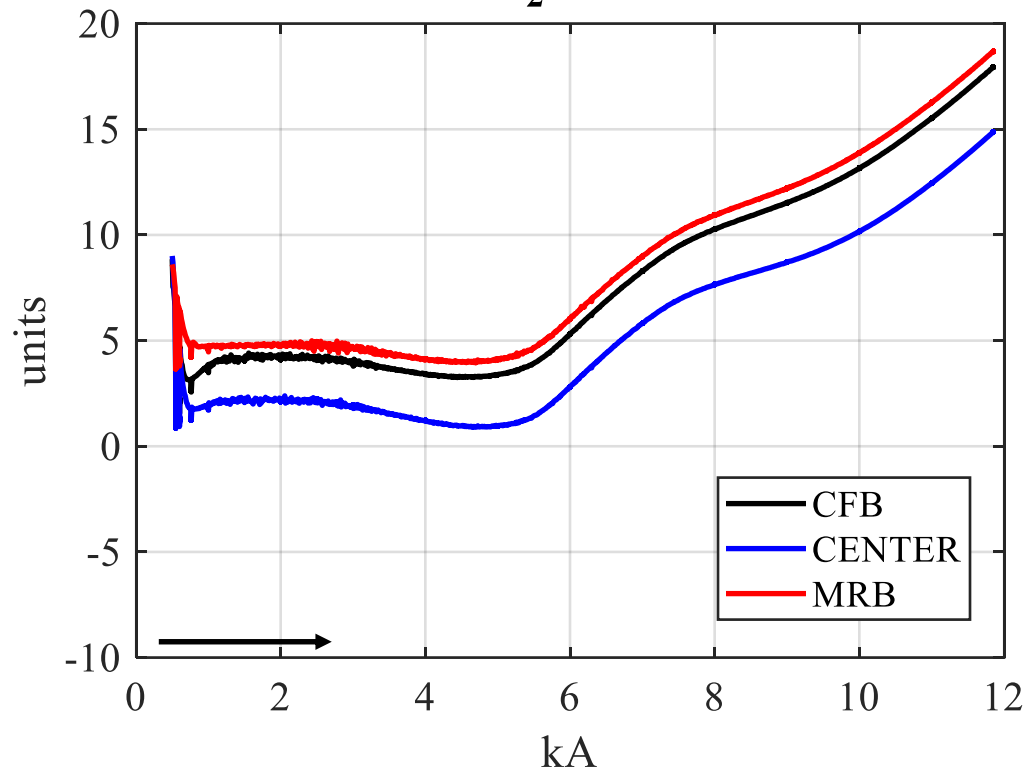


AP1 b_2 dw-ramp

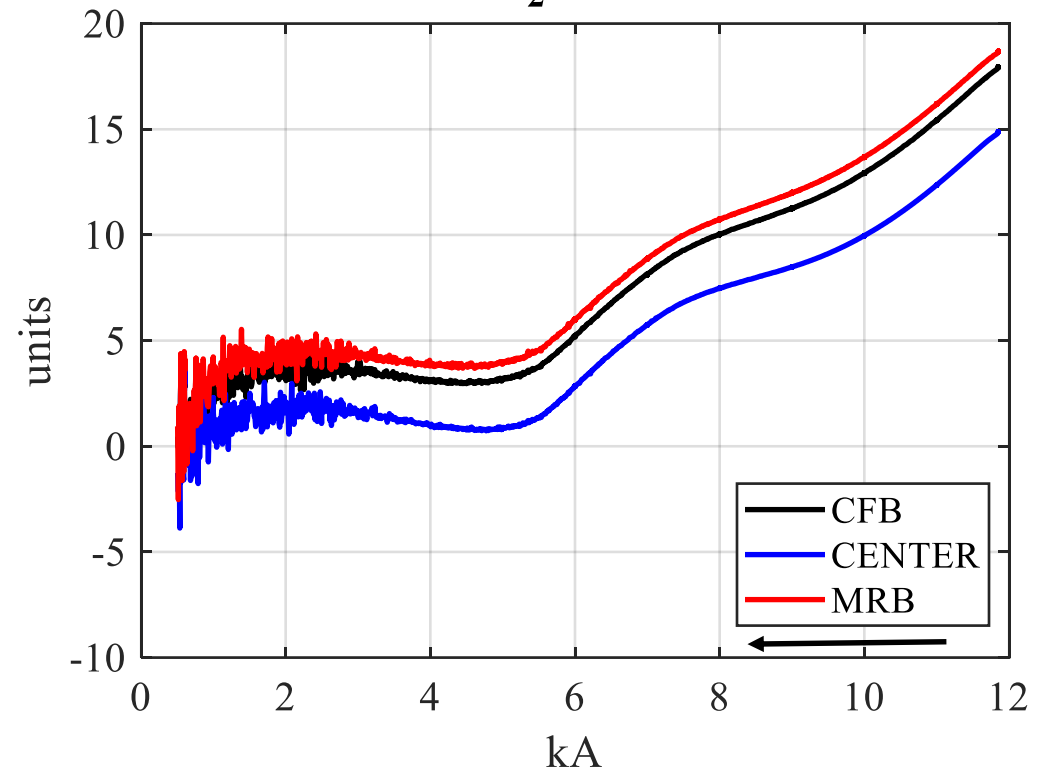


b2 AP2

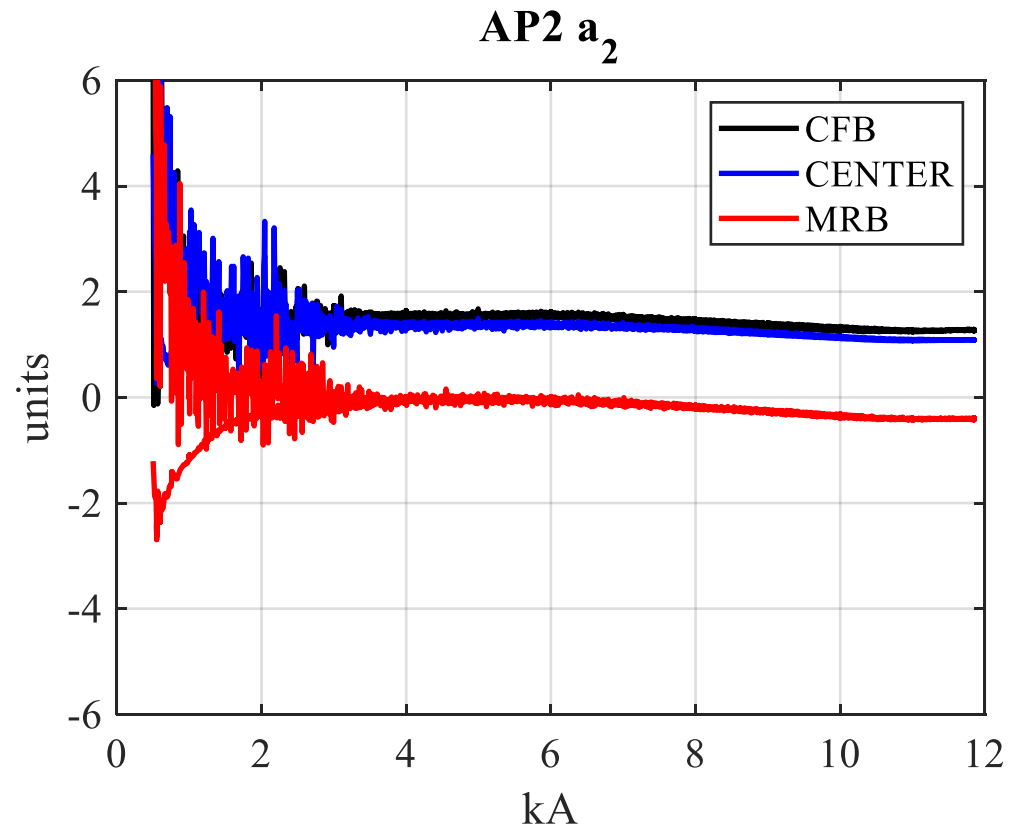
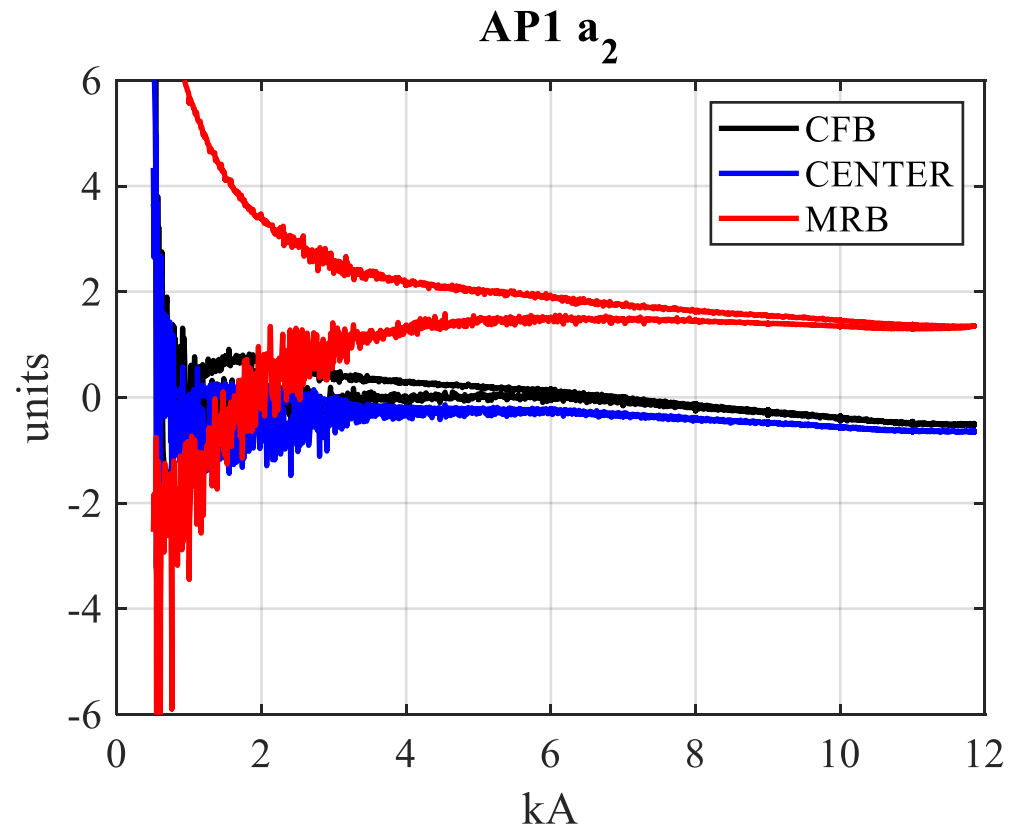
AP2 b_2 up-ramp



AP2 b_2 dw-ramp



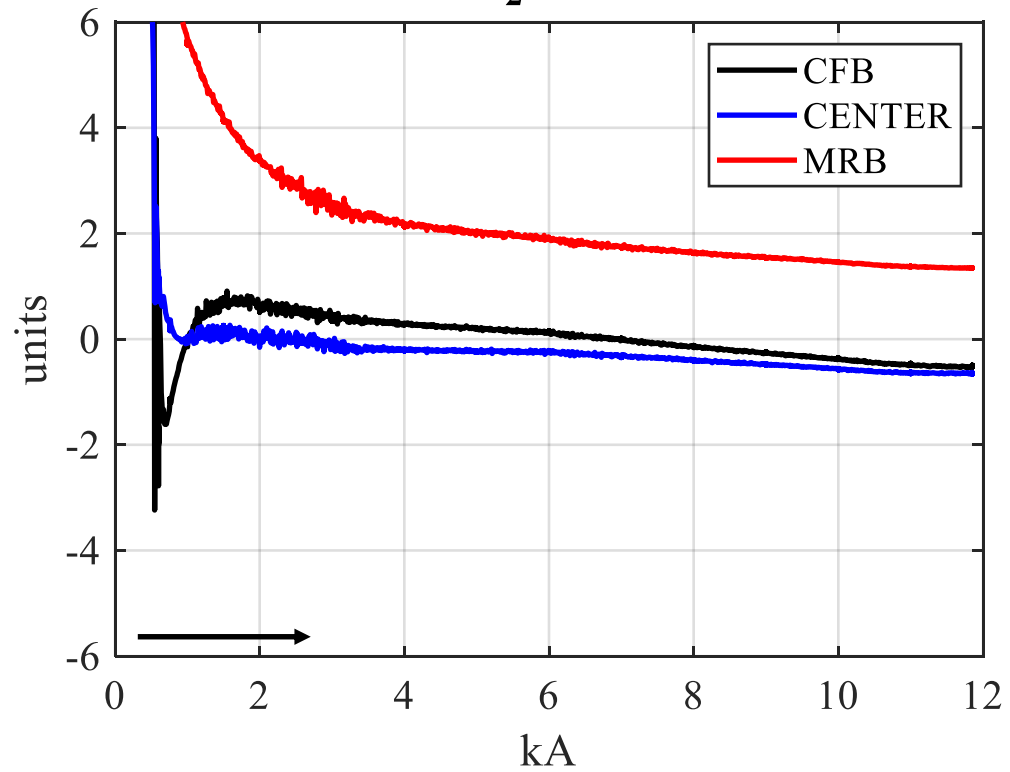
a2



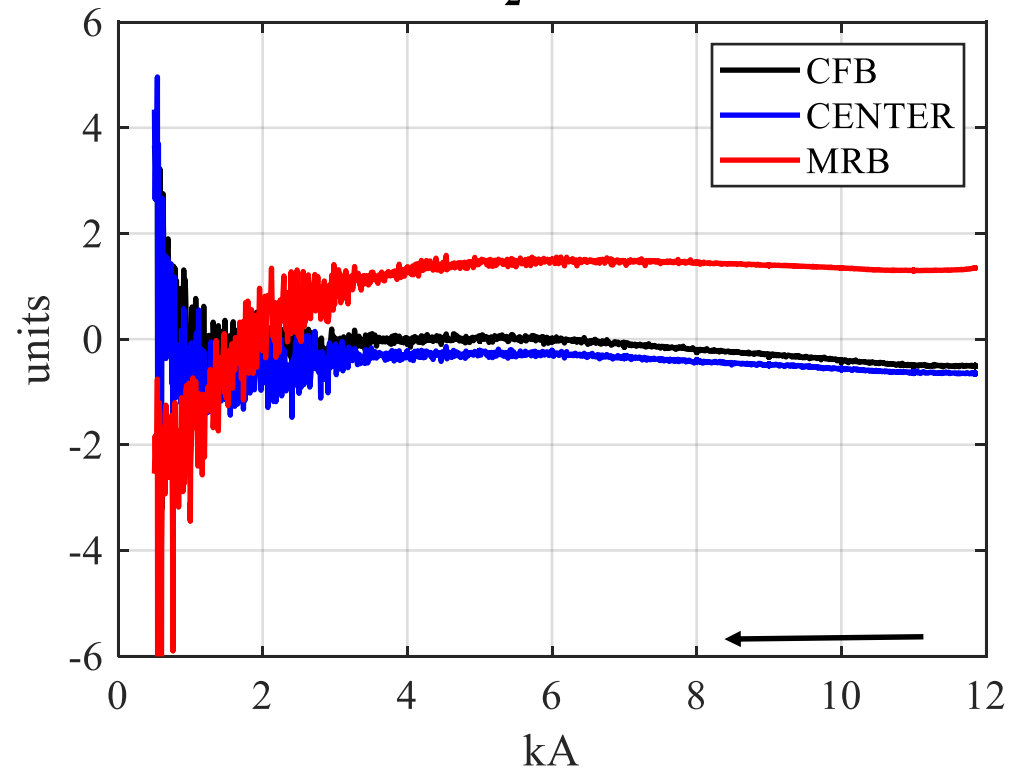
The a_2 of AP1 MRB side show a larger hysteresis

a2 AP1

AP1 a₂ up-ramp

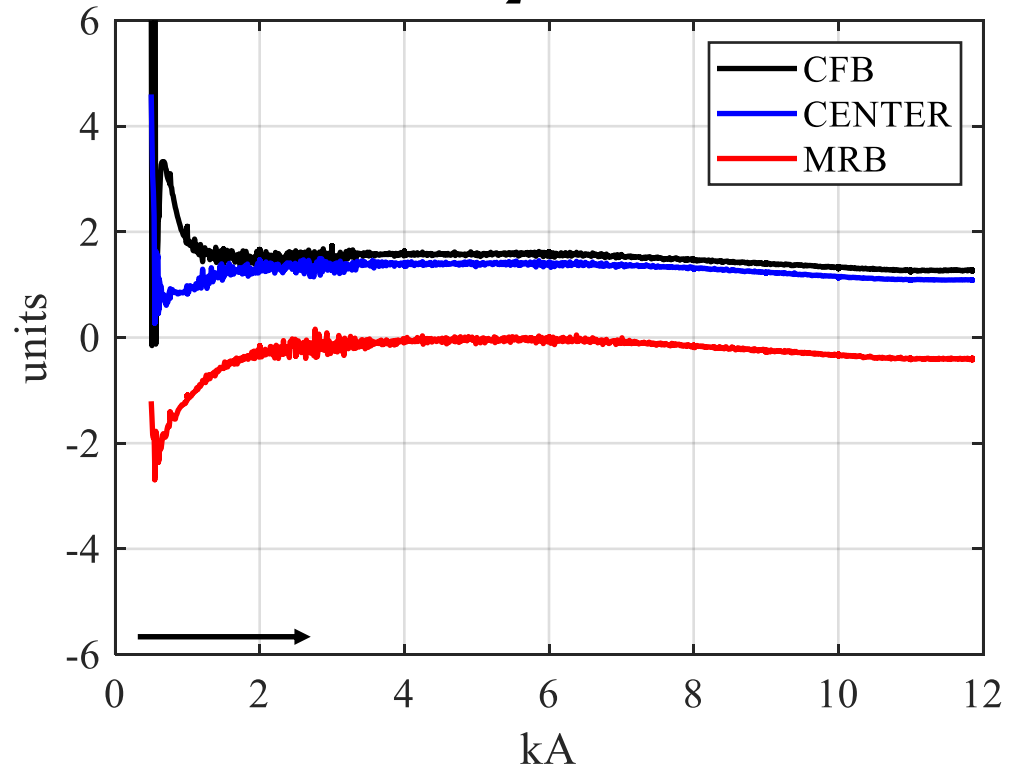


AP1 a₂ dw-ramp

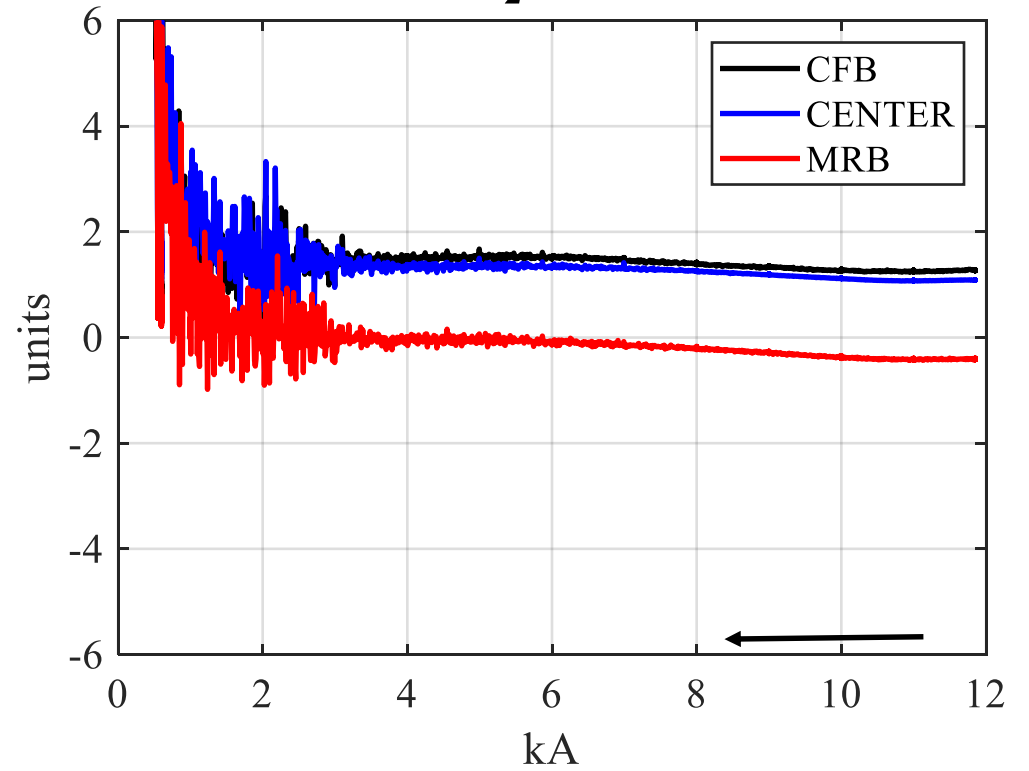


a2 AP2

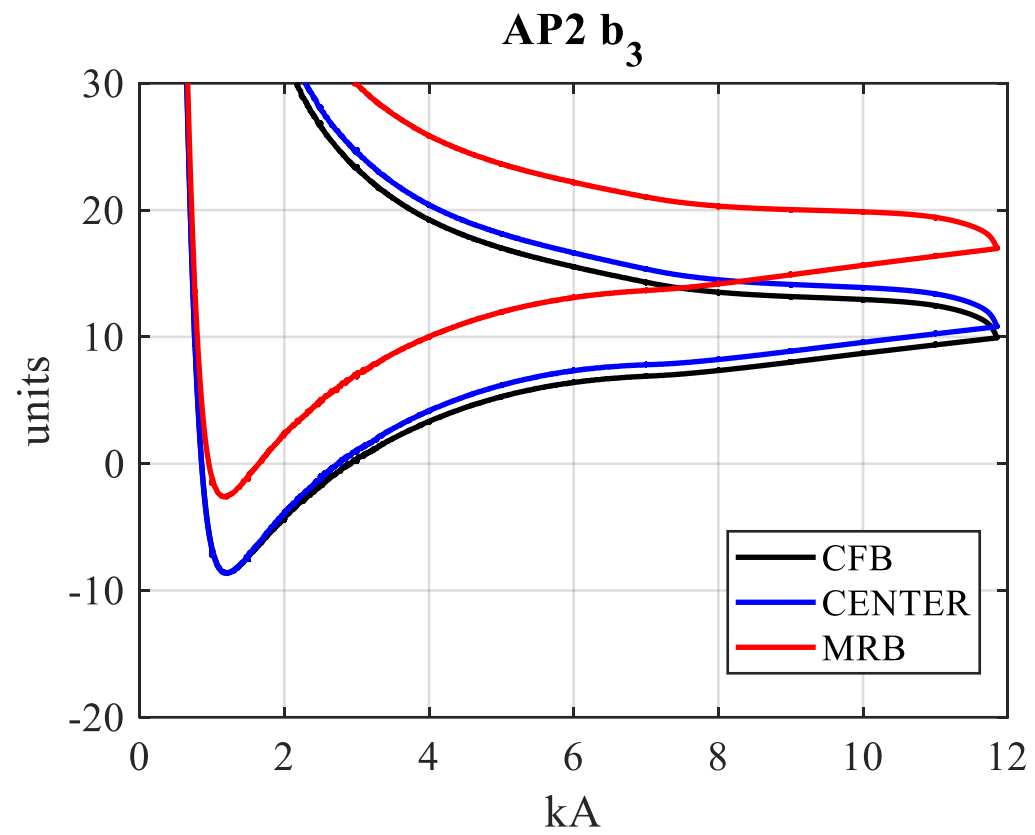
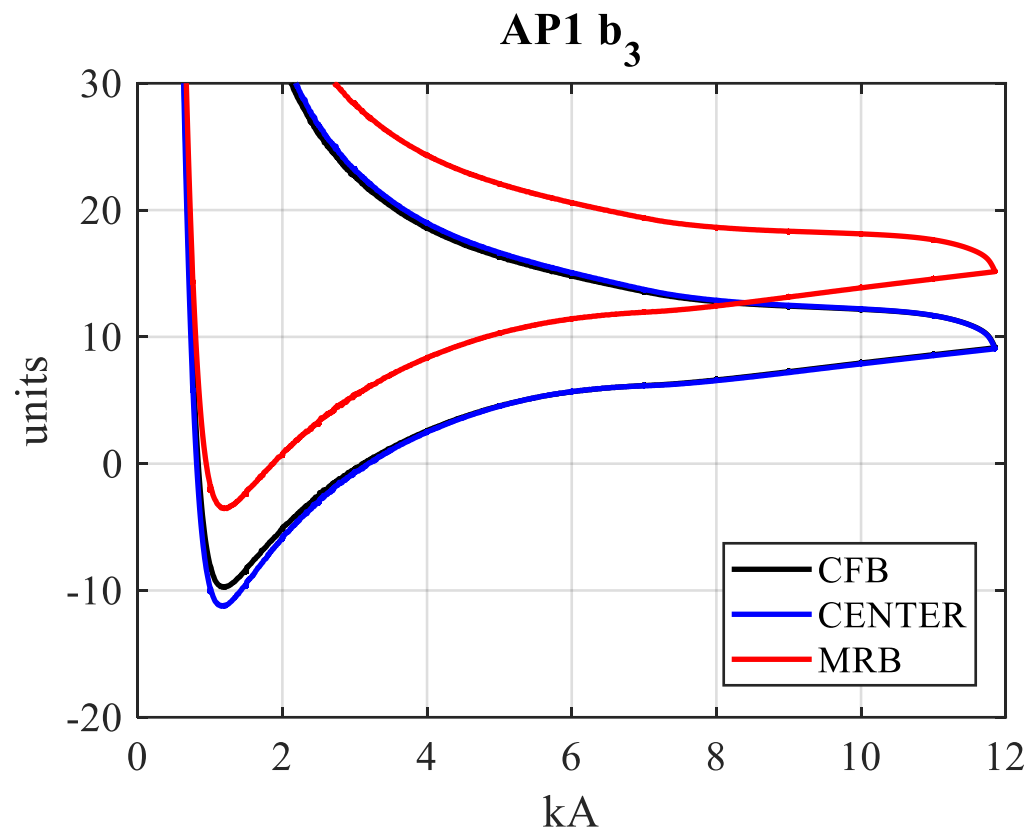
AP2 a_2 up-ramp



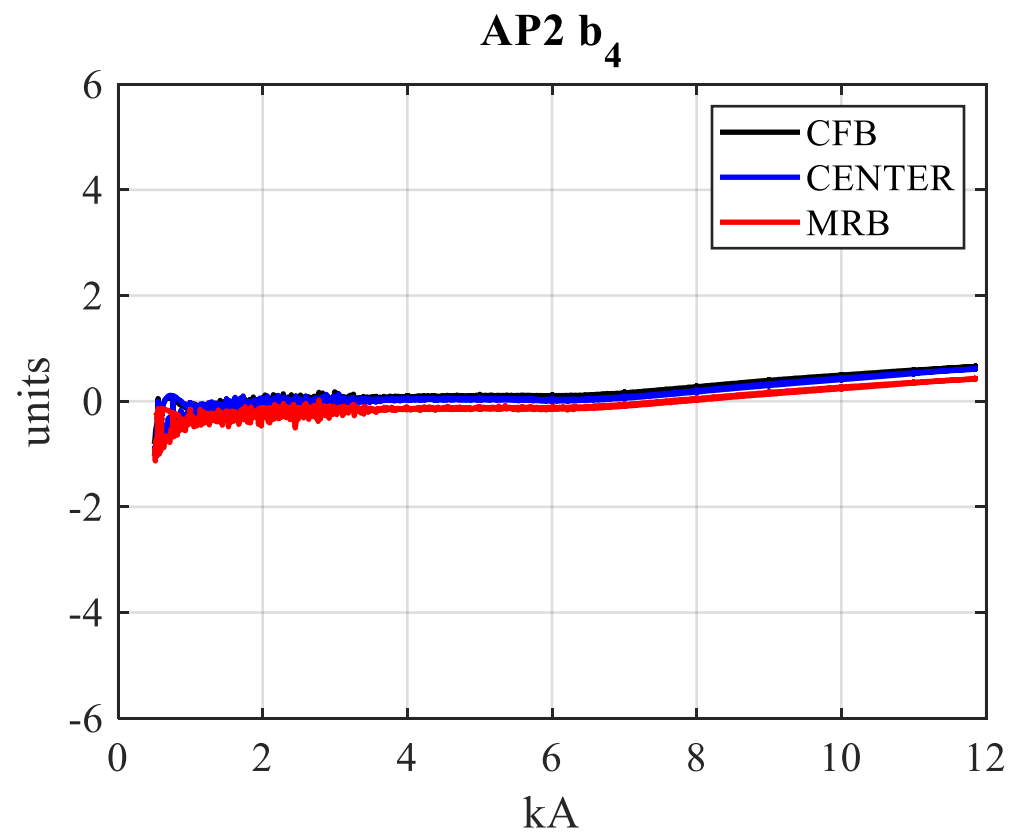
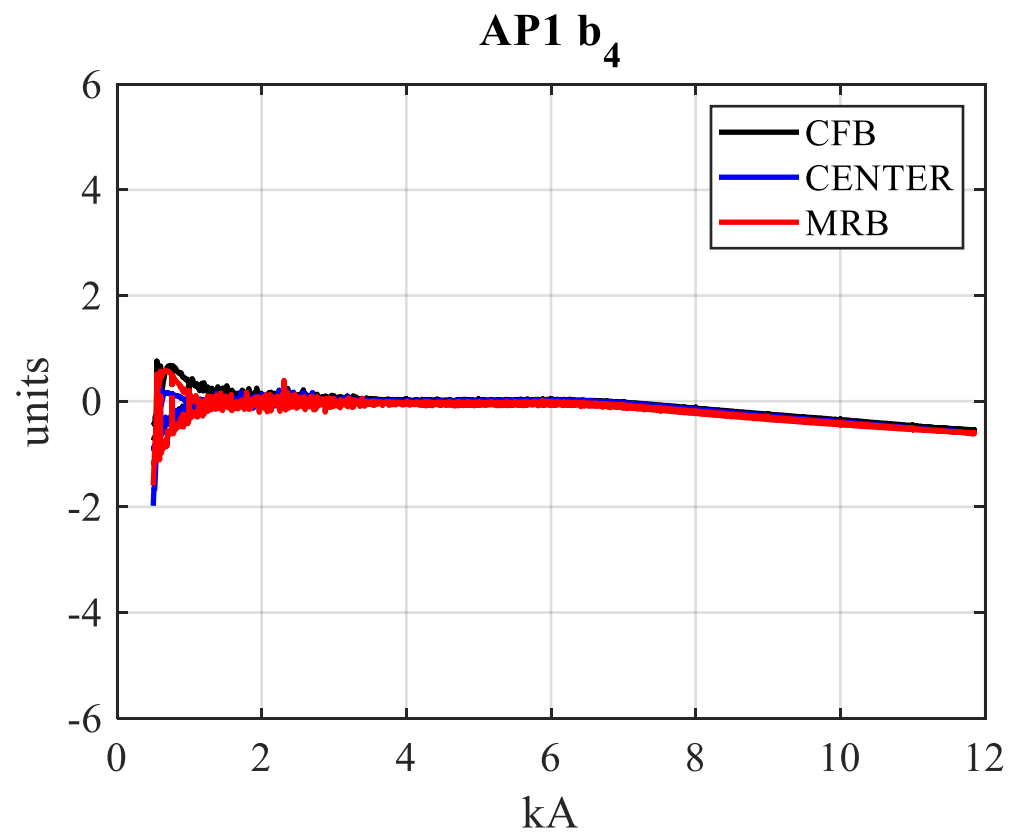
AP2 a_2 dw-ramp



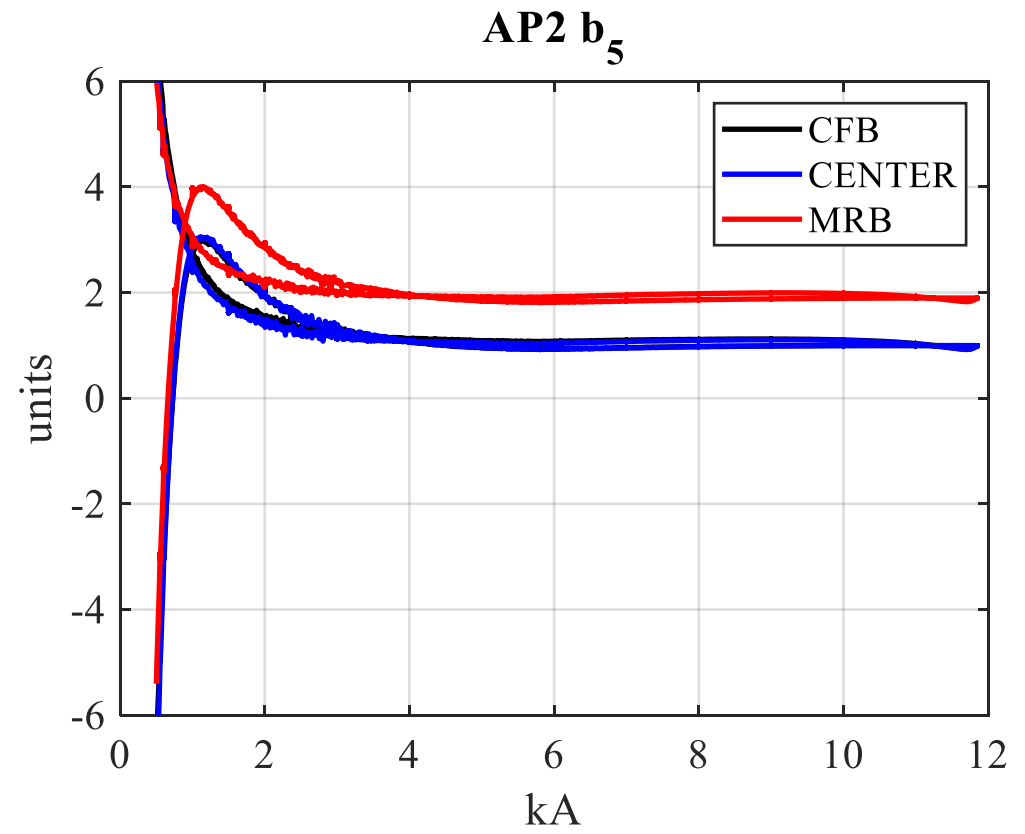
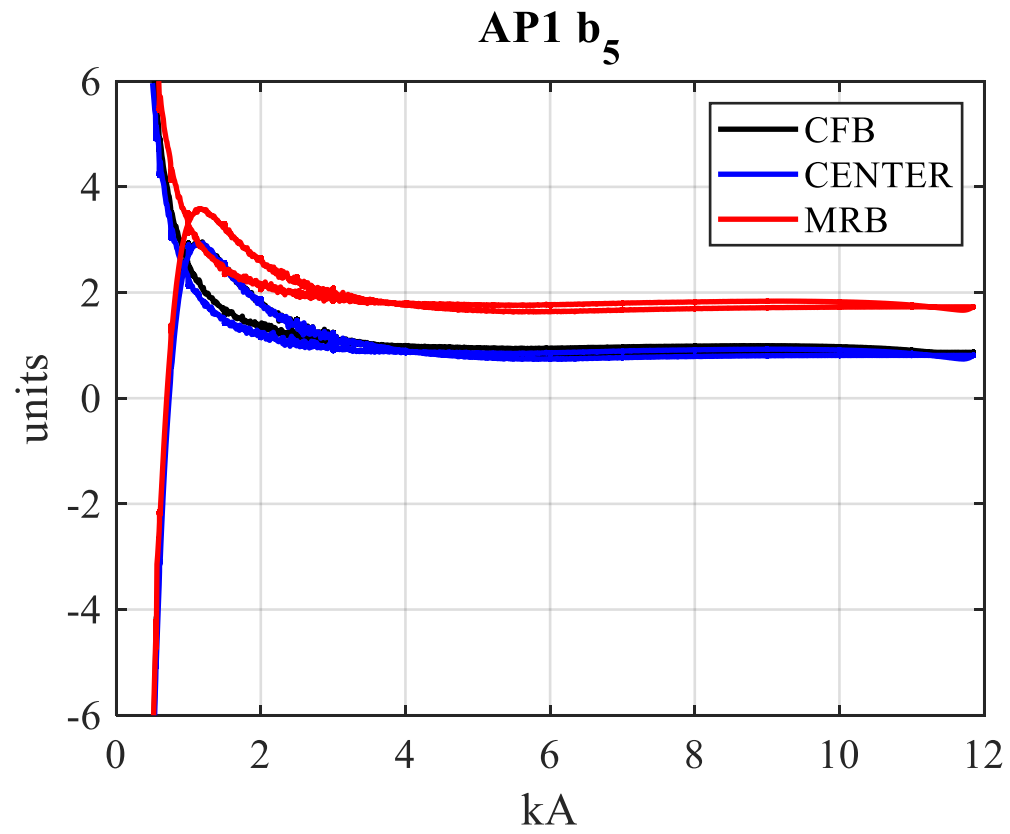
b3



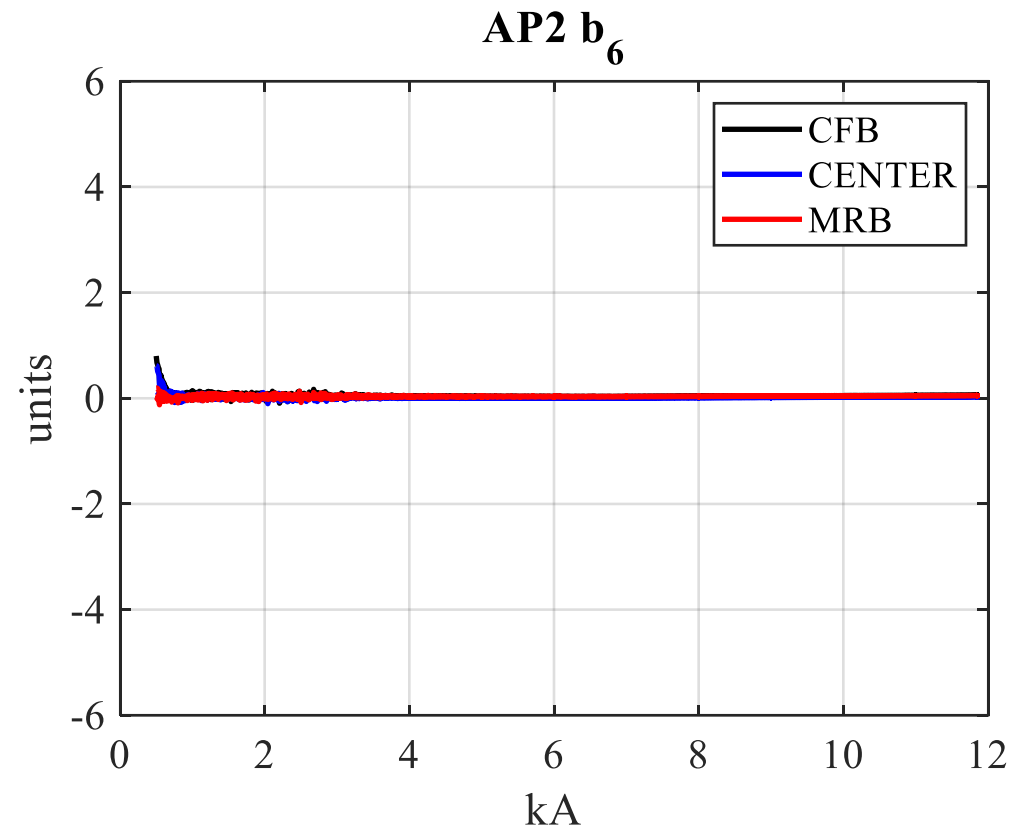
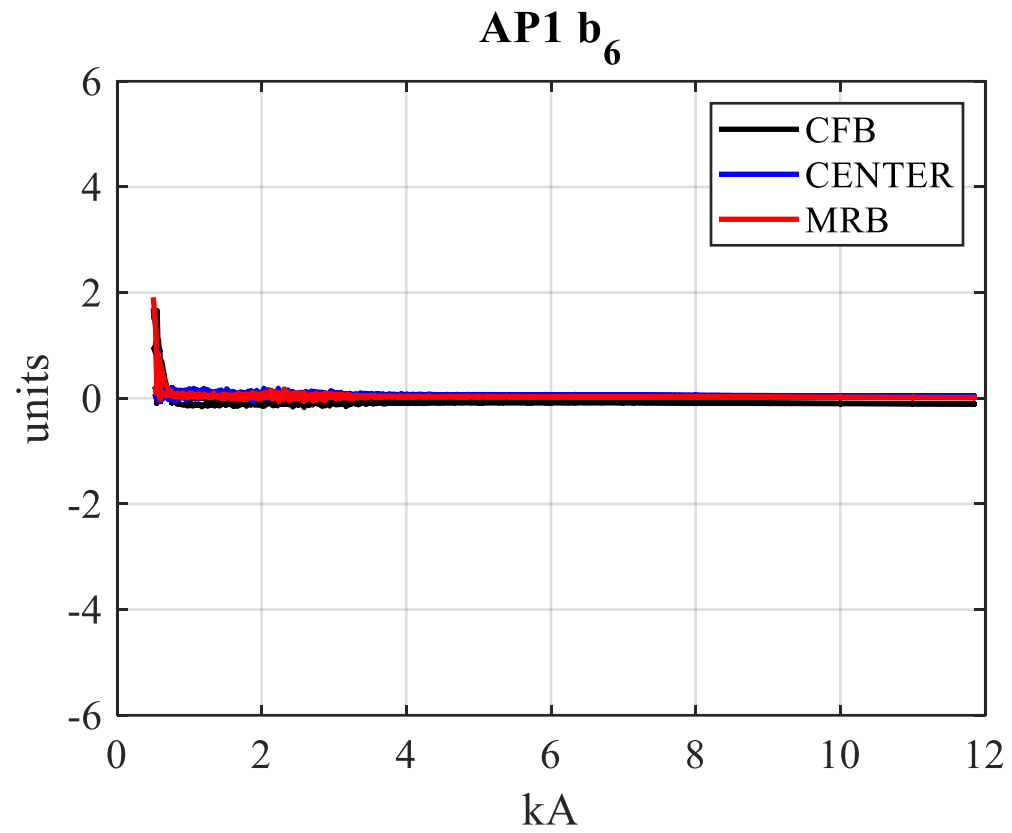
b4



b5

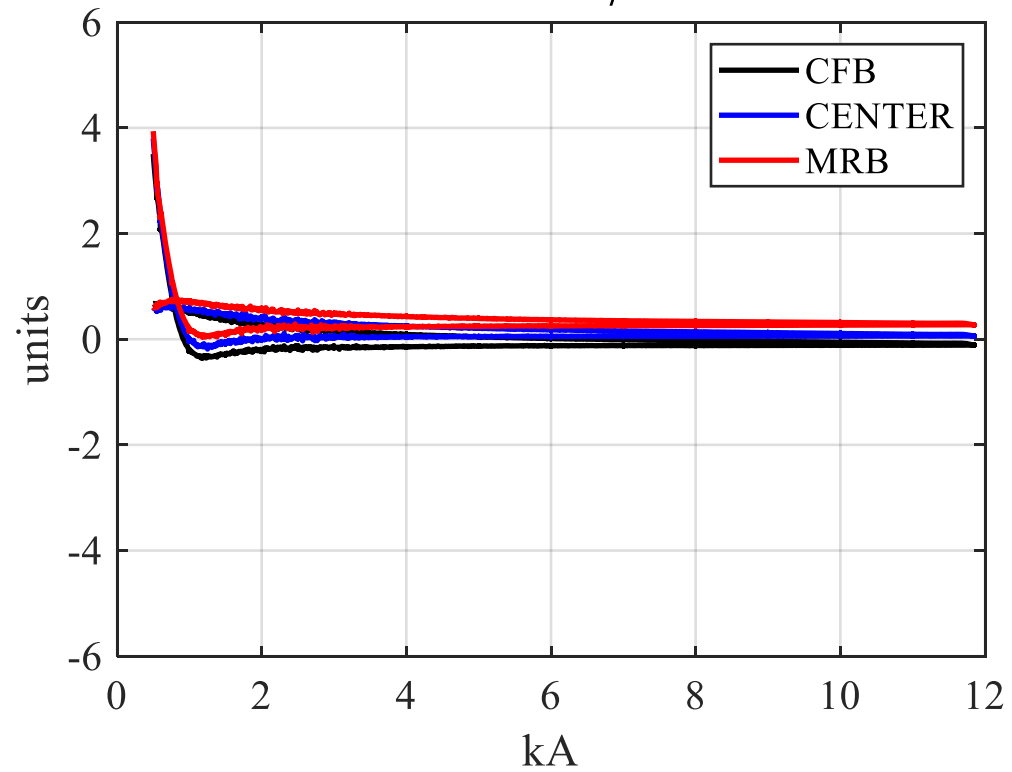


b6

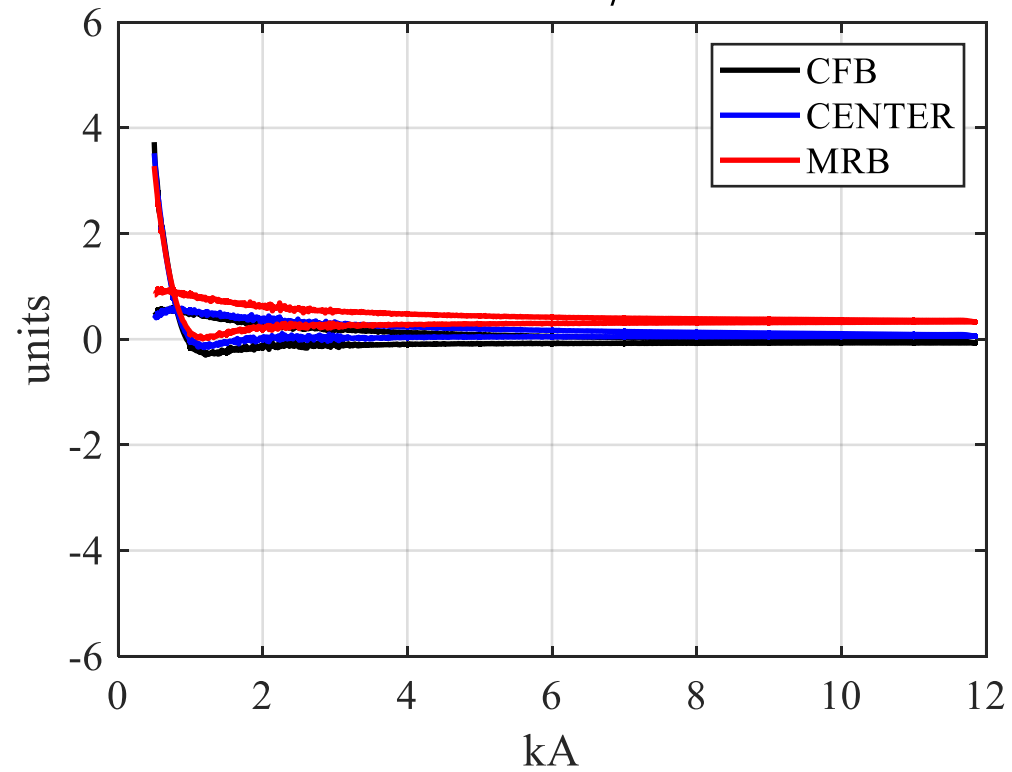


b7

AP1 b_7

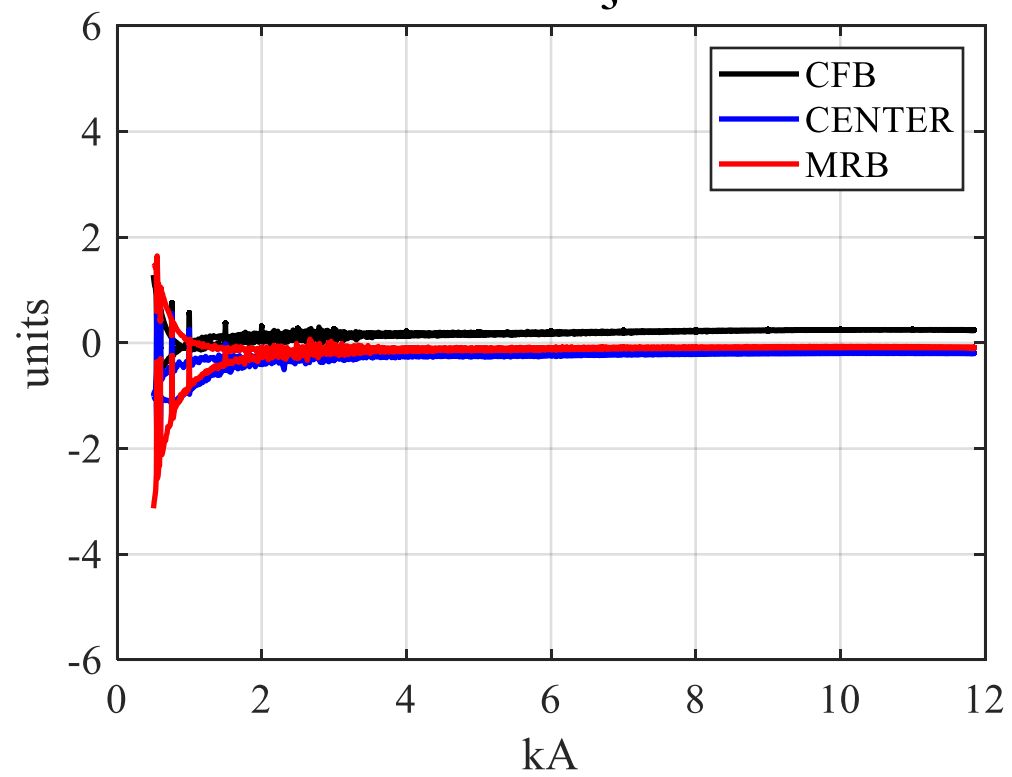


AP2 b_7

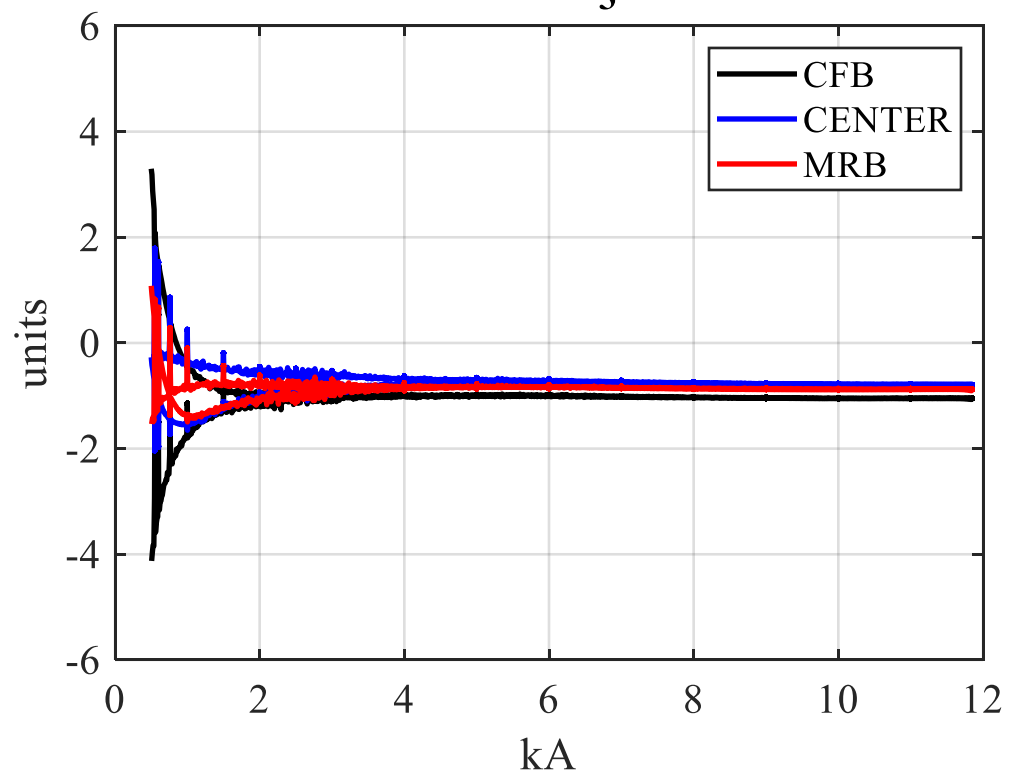


a3

AP1 a_3

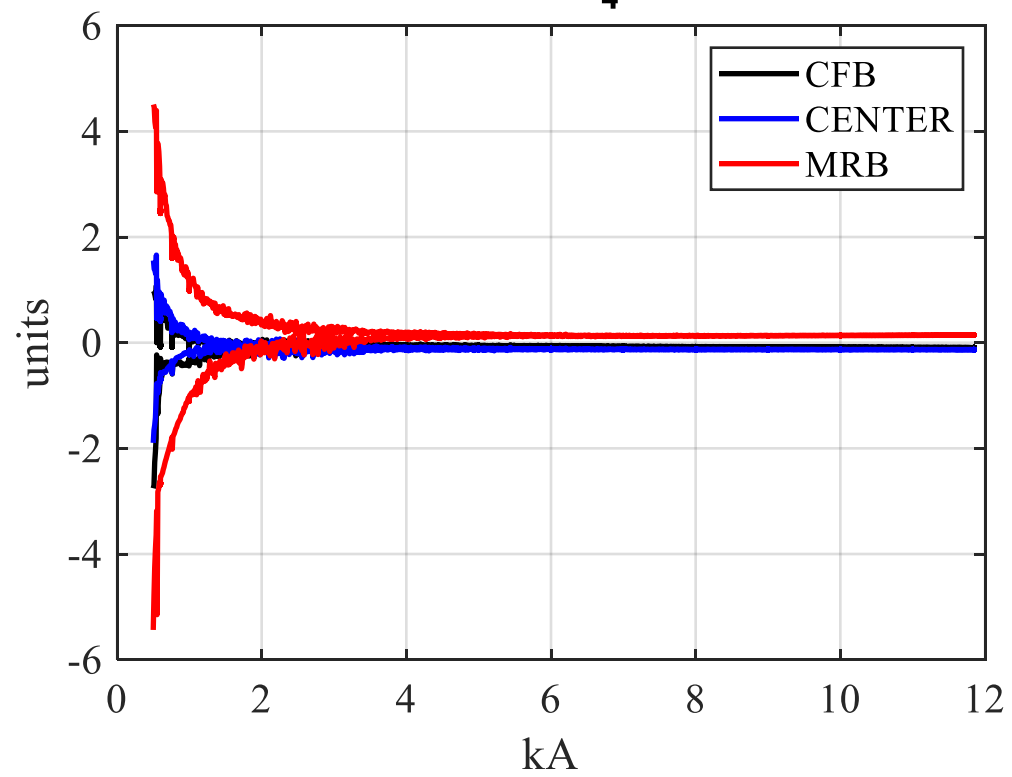


AP2 a_3

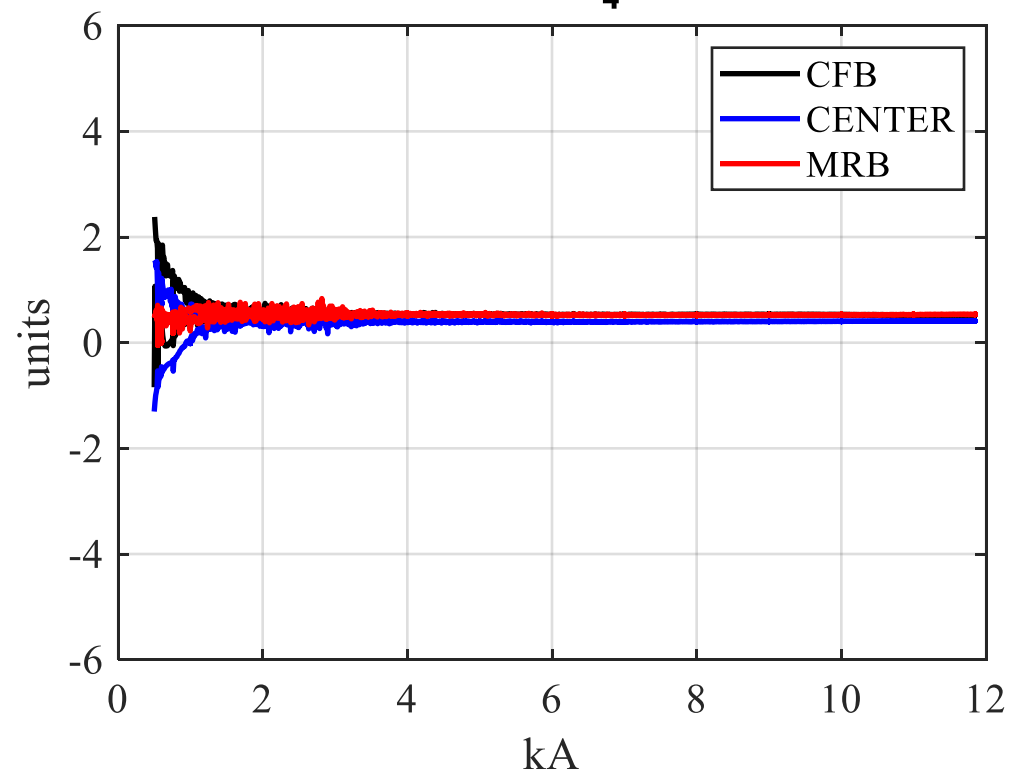


a4

AP1 a_4

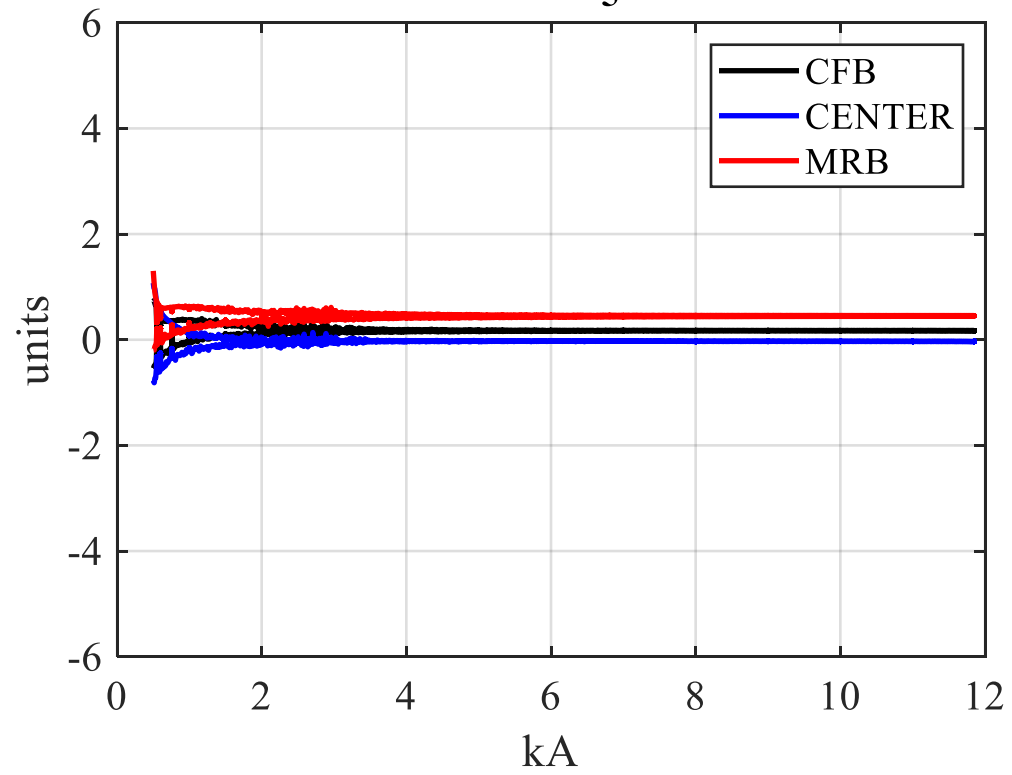


AP2 a_4

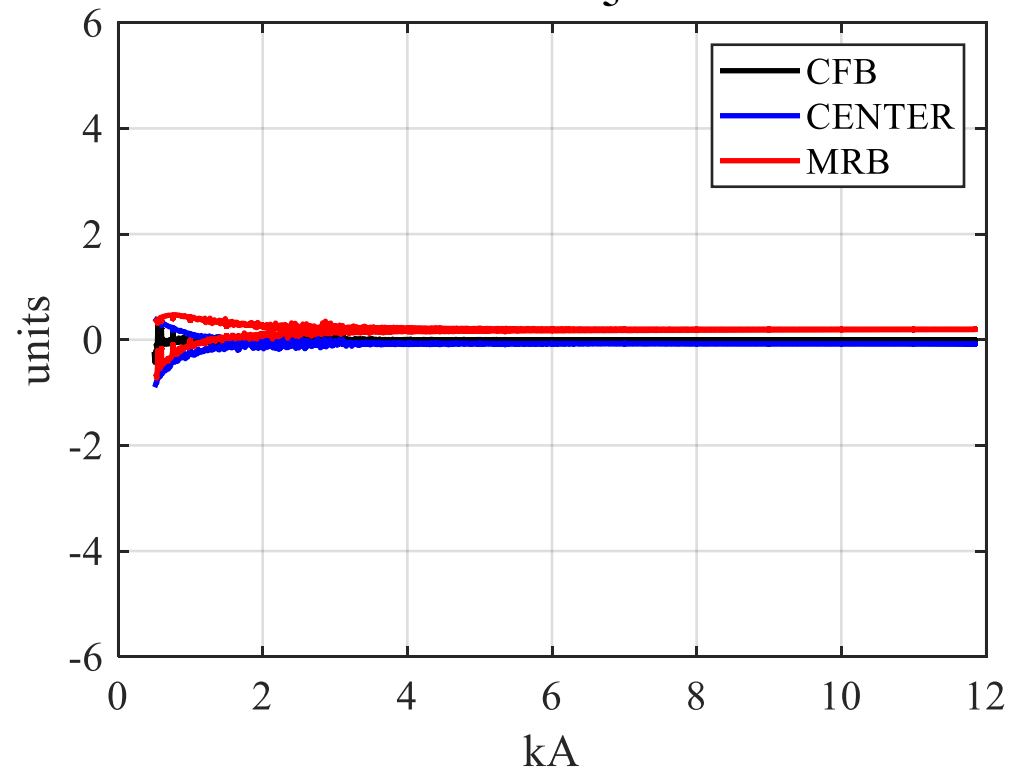


a5

AP1 a_5

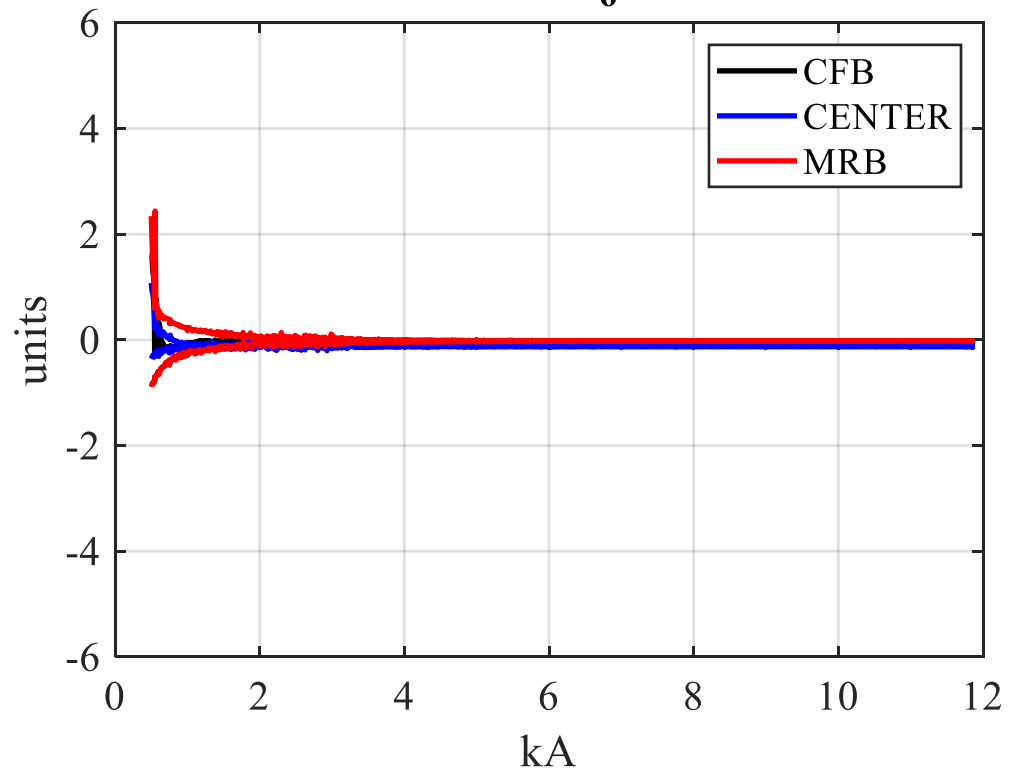


AP2 a_5

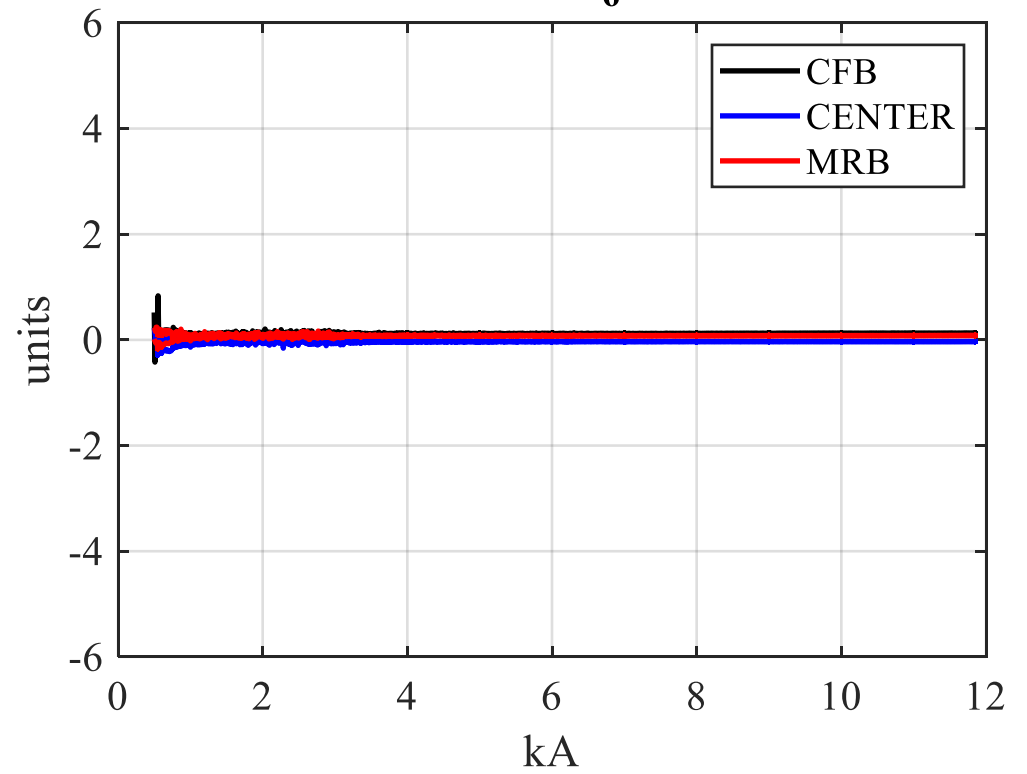


a6

AP1 a_6

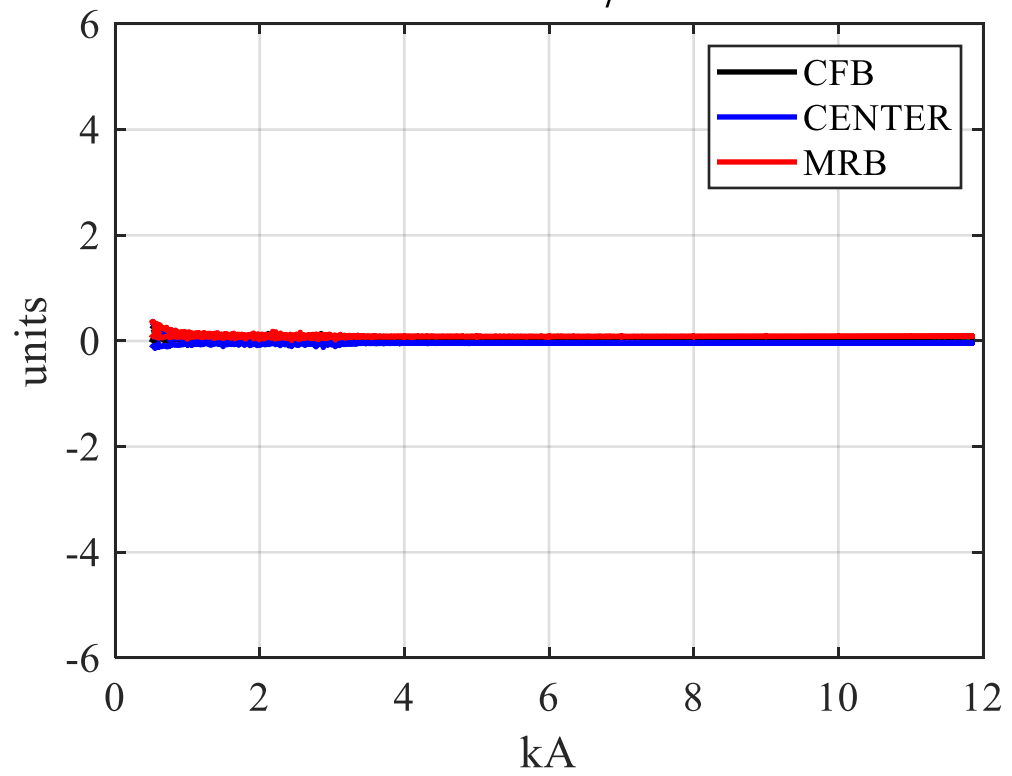


AP2 a_6

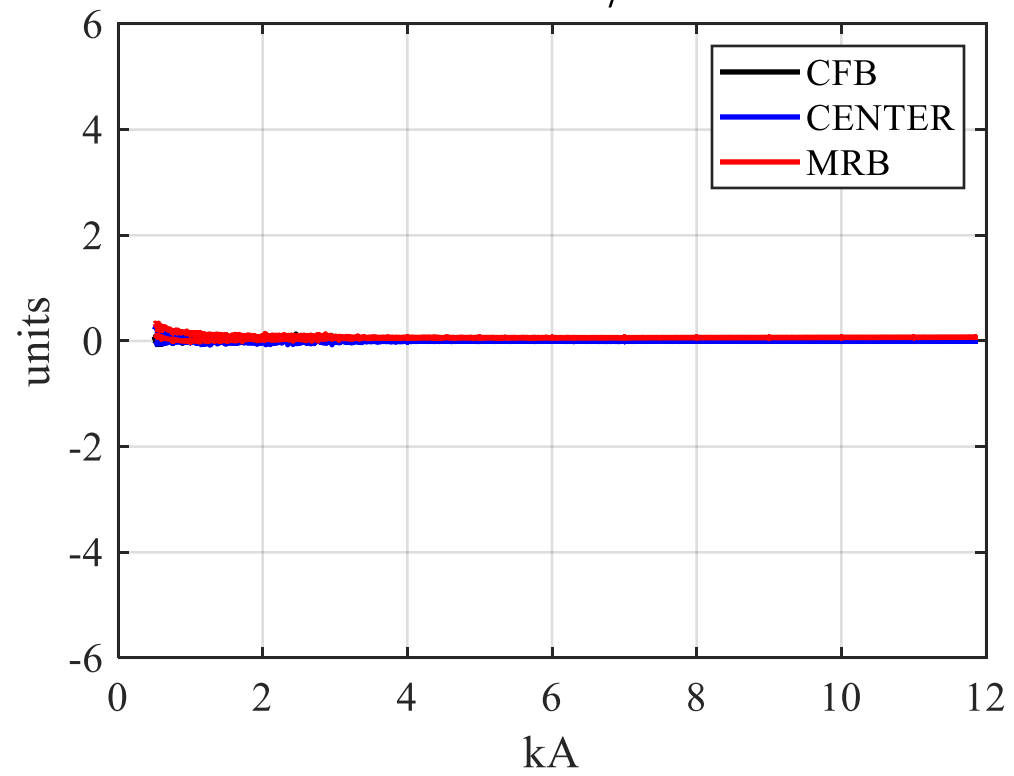


a7

AP1 a₇



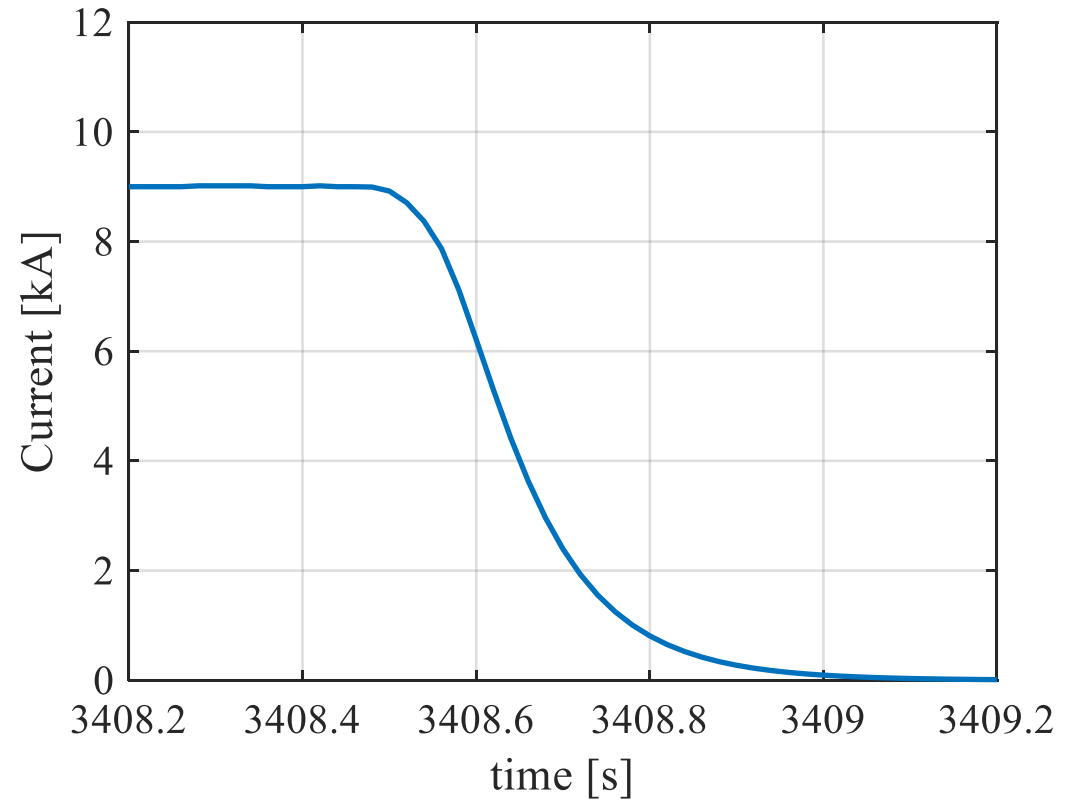
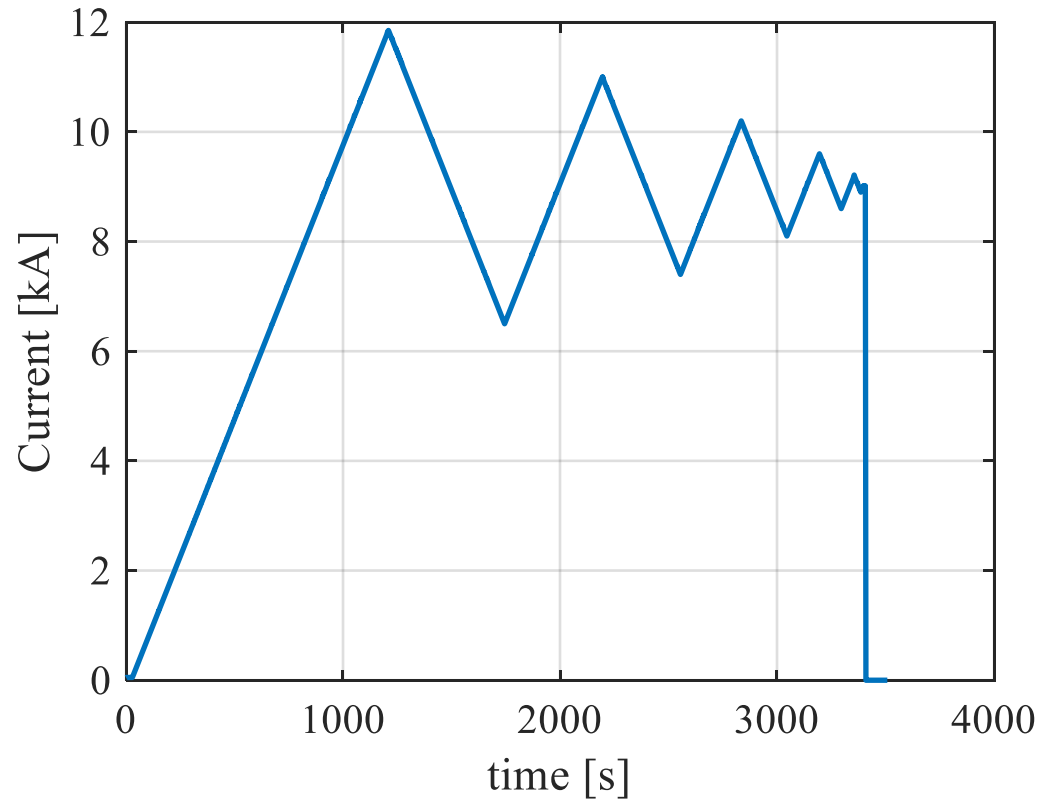
AP2 a₇



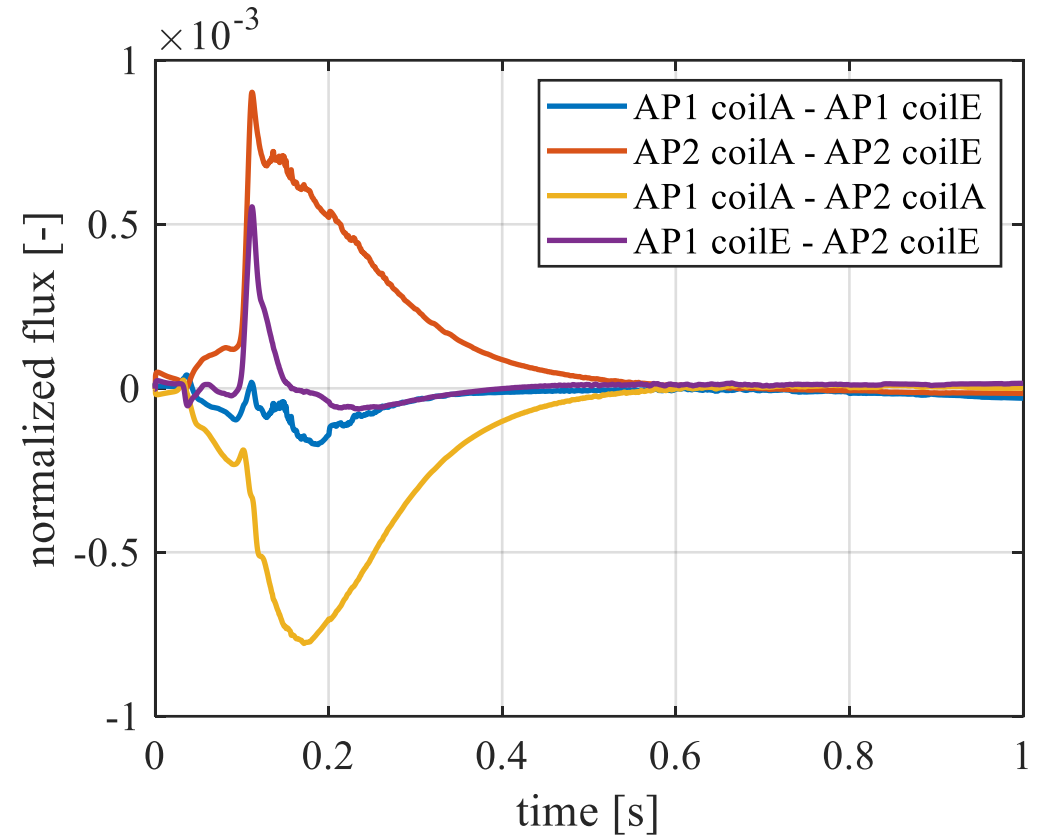
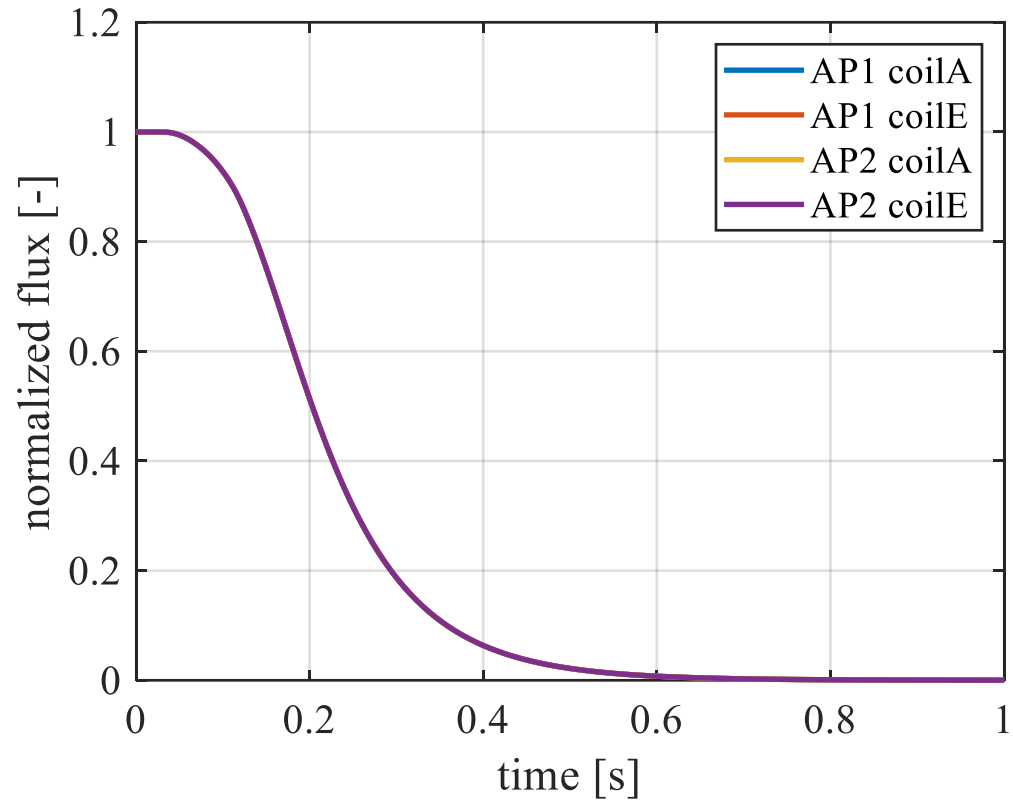
Geometric

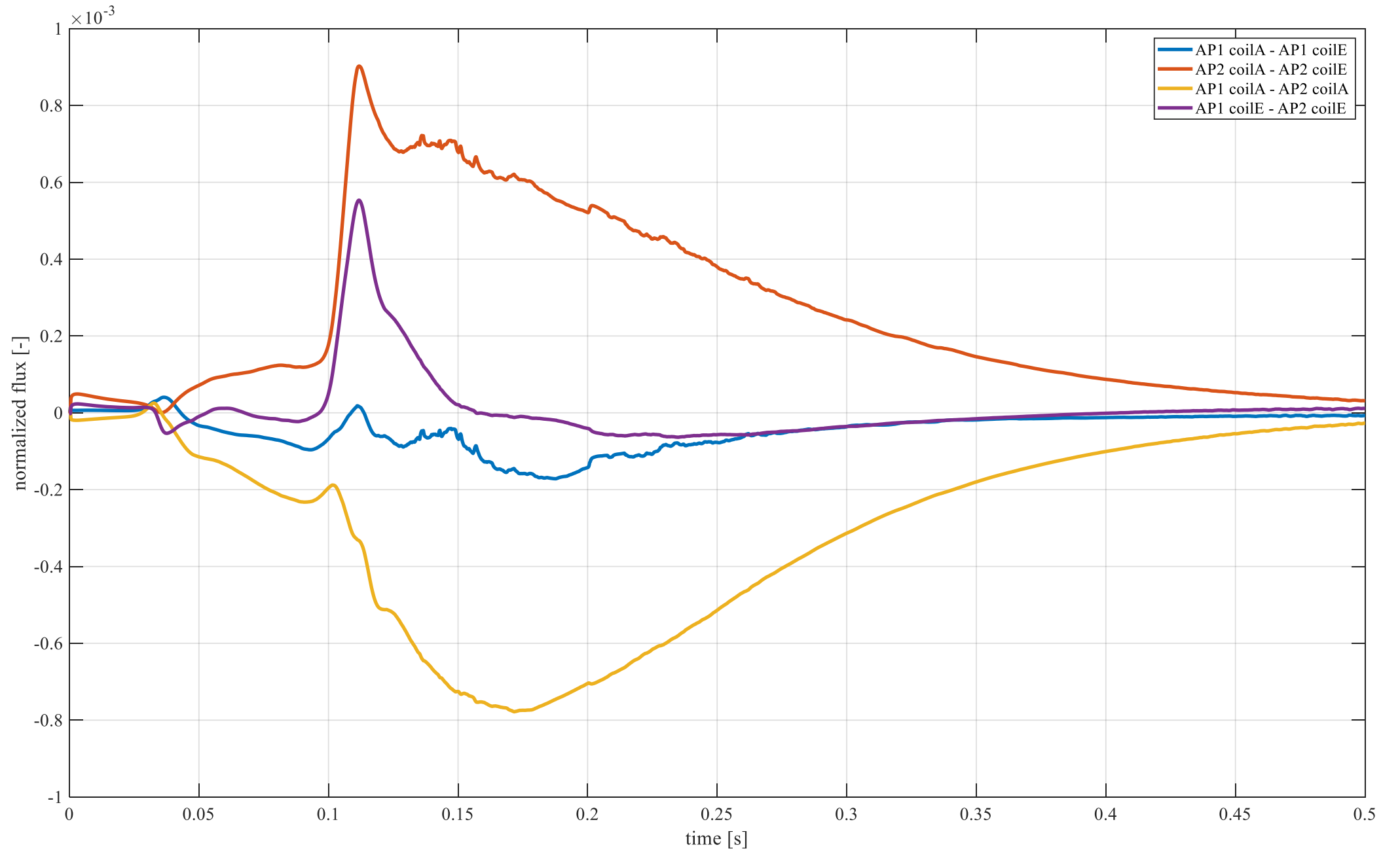
Geometric at 5 kA													
AP1							AP2						
CFB		CENTER		MRB			CFB		CENTER		MRB		
n	bn	an	bn	an	bn	an	n	bn	an	bn	an	bn	an
2	0.66	-0.09	1.20	0.24	-0.12	-1.74	2	3.27	-1.57	0.90	-1.40	4.03	0.03
3	10.41	-0.18	10.56	0.23	16.16	0.11	3	11.14	0.98	12.16	0.70	17.79	0.82
4	0.01	0.06	-0.01	0.12	-0.04	-0.14	4	0.09	-0.53	0.04	-0.40	-0.13	-0.53
5	0.89	-0.17	0.81	0.03	1.71	-0.45	5	1.02	0.00	1.00	0.07	1.88	-0.19
6	-0.08	0.07	0.06	0.12	0.03	0.02	6	0.03	-0.12	0.01	0.03	0.03	-0.08
7	-0.04	-0.07	0.13	0.04	0.32	-0.08	7	0.00	-0.02	0.12	0.00	0.37	-0.06
8	0.01	0.00	0.03	-0.05	-0.01	0.04	8	-0.02	0.00	-0.02	0.00	0.00	-0.02
9	0.87	-0.03	1.02	0.05	0.93	0.00	9	0.93	-0.03	0.99	-0.02	0.91	-0.01
10	0.00	0.00	-0.01	0.01	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.40	-0.01	0.51	0.06	0.43	-0.02	11	0.46	-0.01	0.47	-0.01	0.44	-0.01
12	-0.03	0.06	0.00	0.14	0.00	-0.01	12	-0.02	-0.01	0.00	-0.01	-0.02	0.02
13	-0.10	-0.05	-0.14	-0.06	-0.11	0.00	13	-0.12	0.01	-0.10	0.00	-0.09	-0.03
14	-0.02	-0.02	0.00	0.00	0.00	0.00	14	0.00	-0.01	0.00	0.00	0.01	0.00
15	-0.03	0.00	-0.03	-0.02	-0.03	0.00	15	-0.03	0.00	-0.03	0.00	-0.02	0.00

Discharge after demag cycle

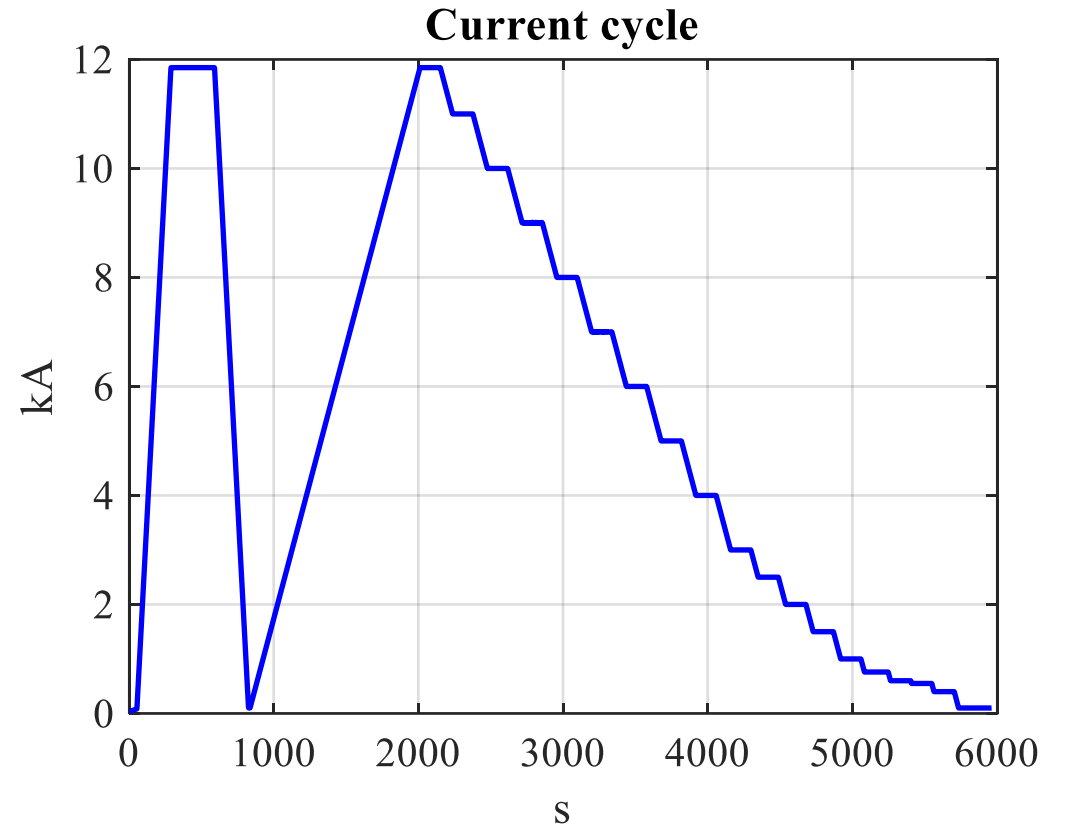
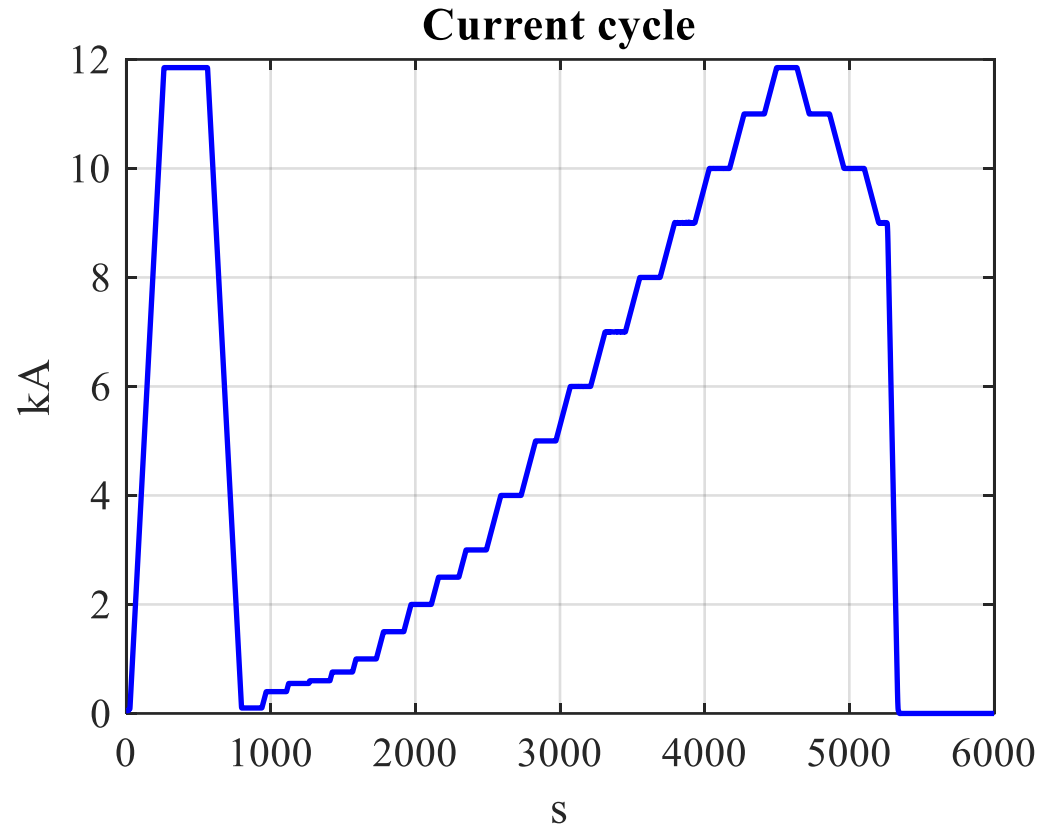


Discharge after demag cycle



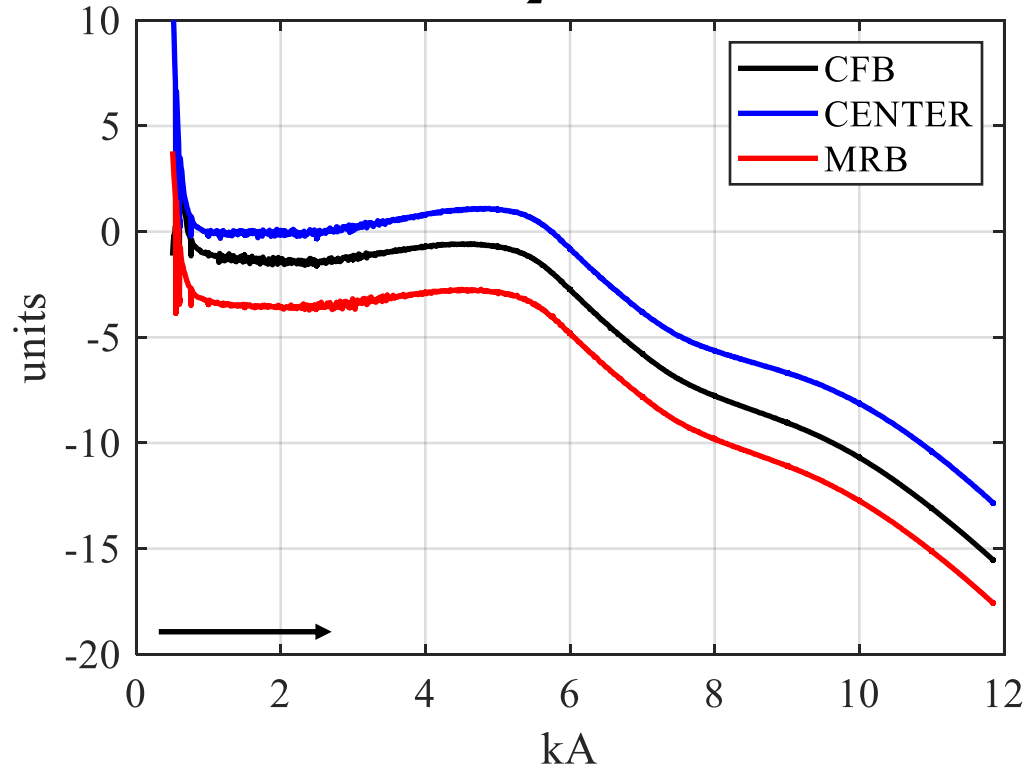


MBHB-002

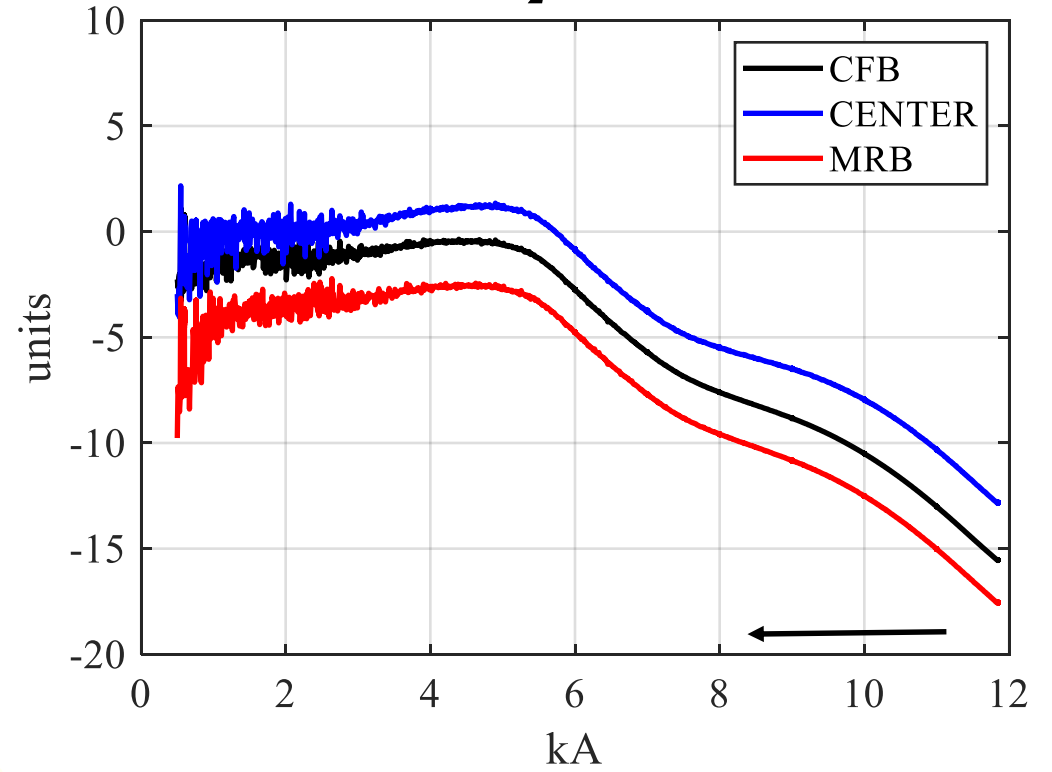


b2 on MBHB-002

AP1 b_2 up-ramp

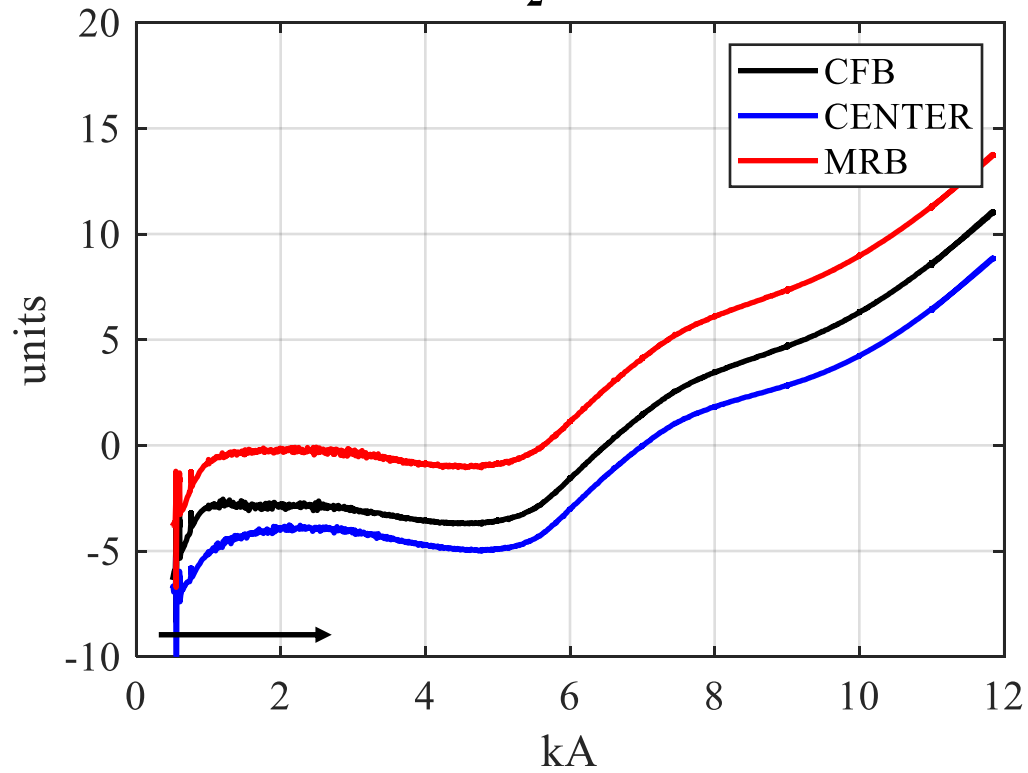


AP1 b_2 dw-ramp

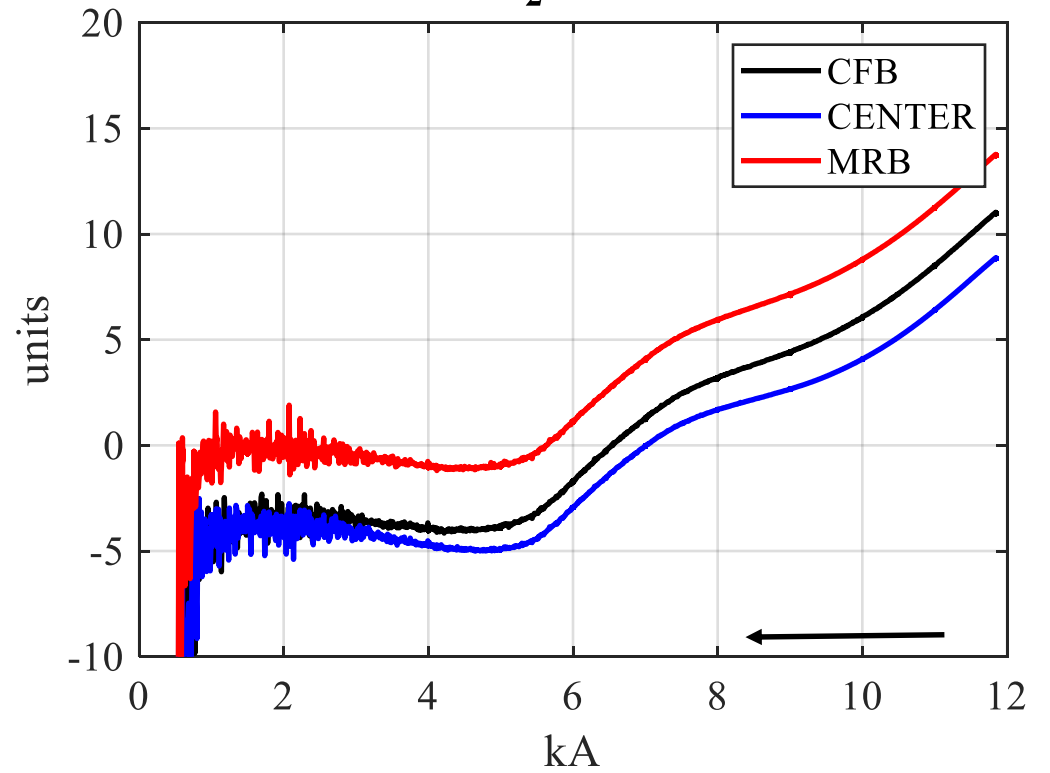


b2 on MBHB-002

AP2 b_2 up-ramp

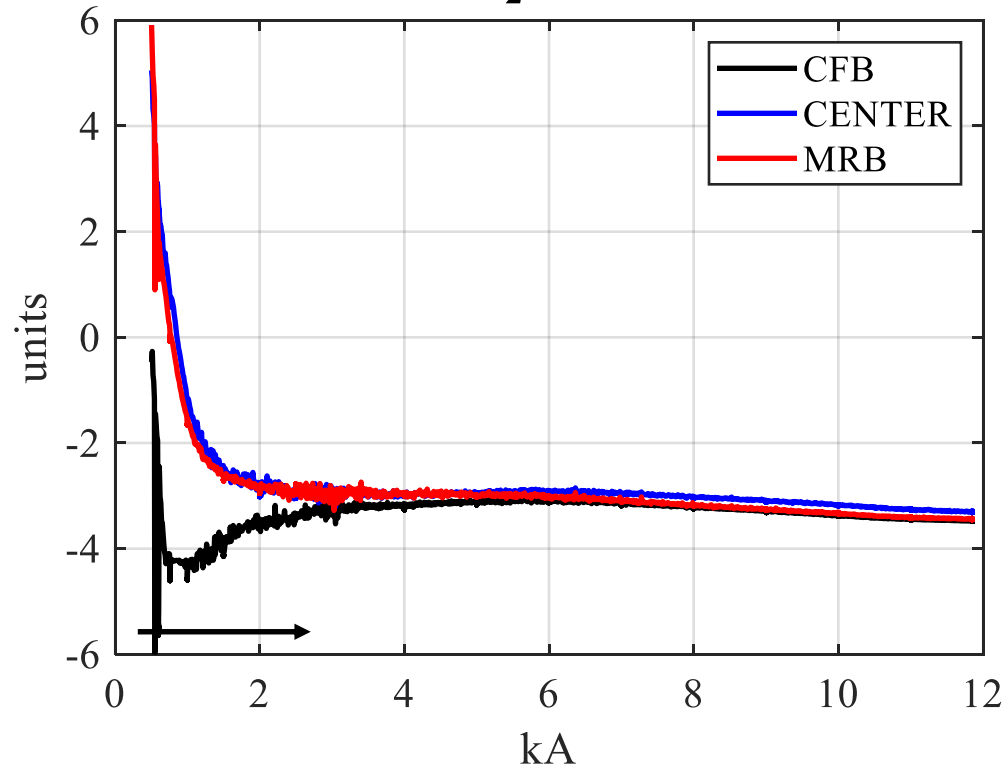


AP2 b_2 dw-ramp

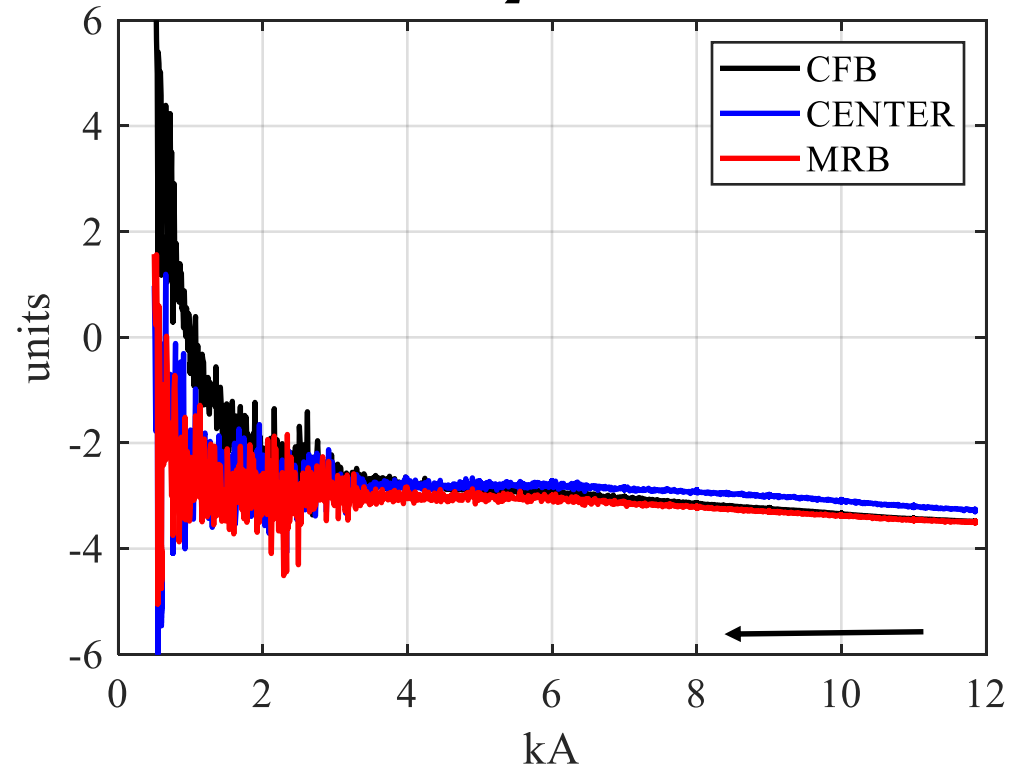


a2 on MBHB-002

AP1 a₂ up-ramp

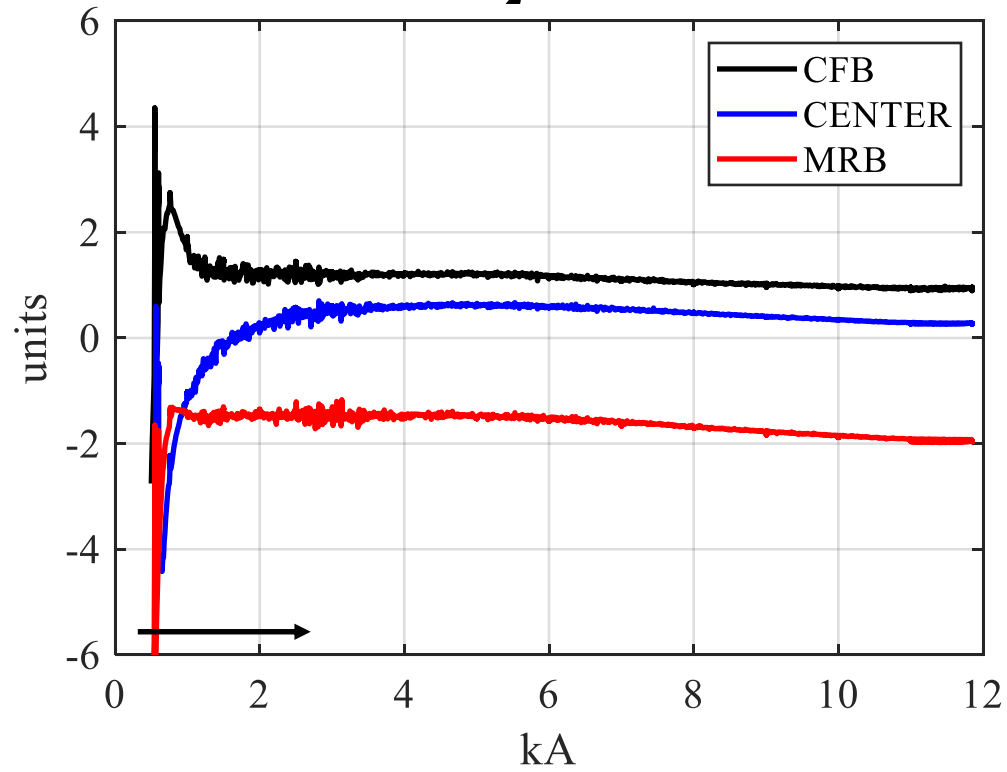


AP1 a₂ dw-ramp



a₂ on MBHB-002

AP2 a₂ up-ramp



AP2 a₂ dw-ramp

