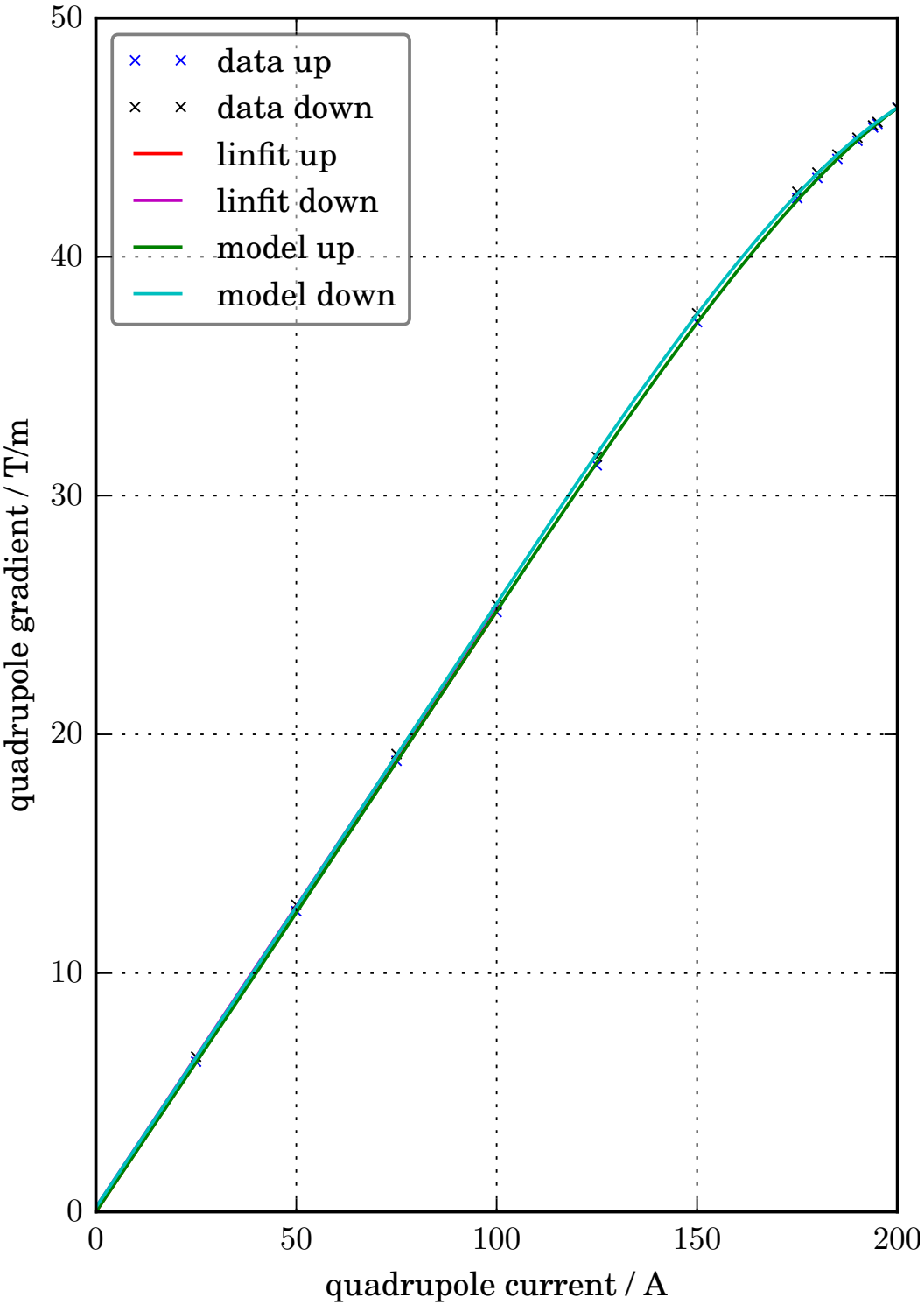


linfit up: $ax + o$
$\chi^2$ = 0.011
$\chi^2_{red}$ = 0.003
a= 0.25154199 ± 0.000389 (0.15%) (init= 1)
o= 0 (fixed)

linfit down: $ax + o$
$\chi^2$ = 0.025
$\chi^2_{red}$ = 0.006
a= 0.25223542 ± 0.000749 (0.30%) (init= 1)
o= 0.18639011 ± 0.056675 (30.41%) (init= 1)

model up: $ax + bx^3 + cx^5 + o$
$\chi^2$ = 0.047
$\chi^2_{red}$ = 0.004
a= 0.24946690 ± 0.000795 (0.32%) (init= 1)
b= 4.6257e-07 ± 6.91e-08 (14.93%) (init= 0)
c= -2.2964e-11 ± 1.37e-12 (5.96%) (init= 0)
o= 0 (fixed)

model down: $ax + bx^3 + cx^5 + o$
$\chi^2$ = 0.056
$\chi^2_{red}$ = 0.006
a= 0.25034473 ± 0.001499 (0.60%) (init= 1)
b= 5.5002e-07 ± 9.46e-08 (17.20%) (init= 0)
c= -2.6273e-11 ± 1.75e-12 (6.65%) (init= 0)
o= 0.18687230 ± 0.062999 (33.71%) (init= 0)

Estimation of hysteresis effect at 50 amps:
linfit: $\Delta G = 0.221062$ $(\sim 0.435585\%)$
model: $\Delta G = 0.240661$ $(\sim 0.475829\%)$