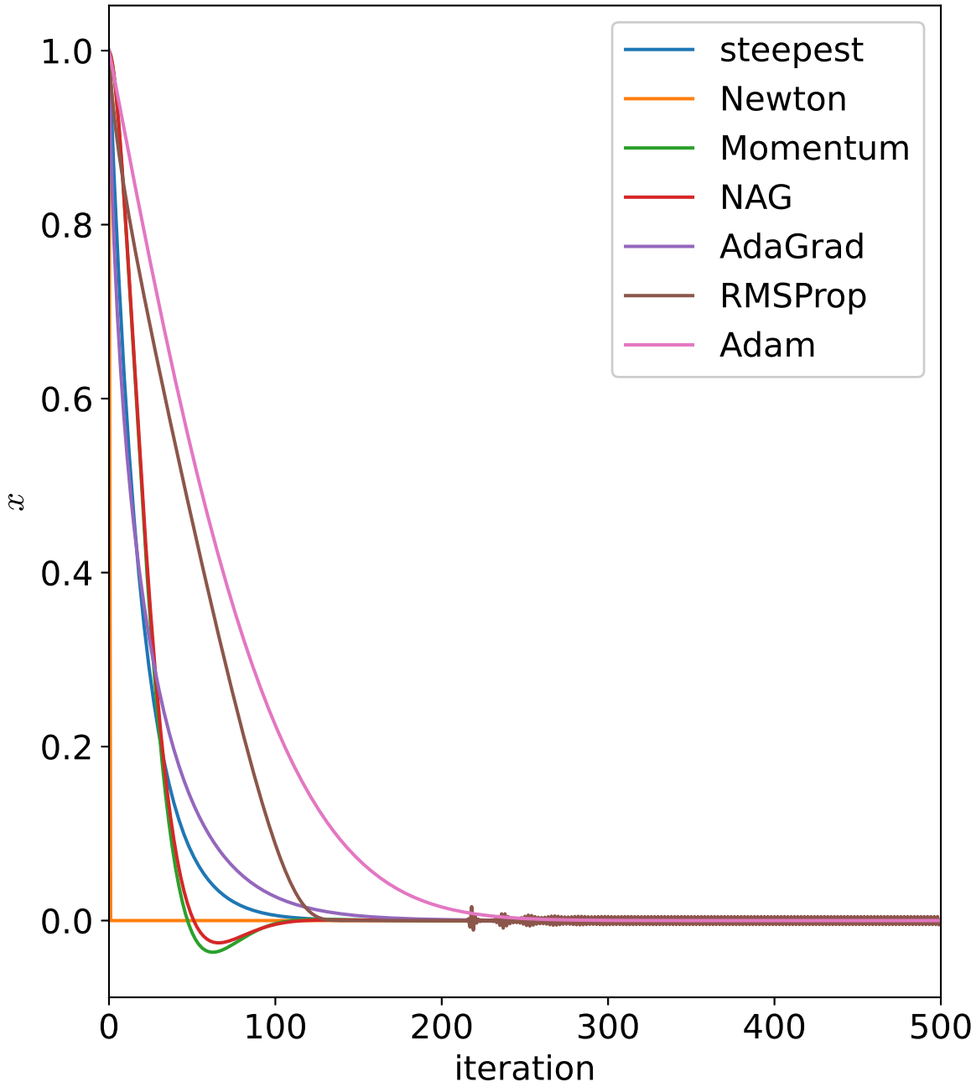
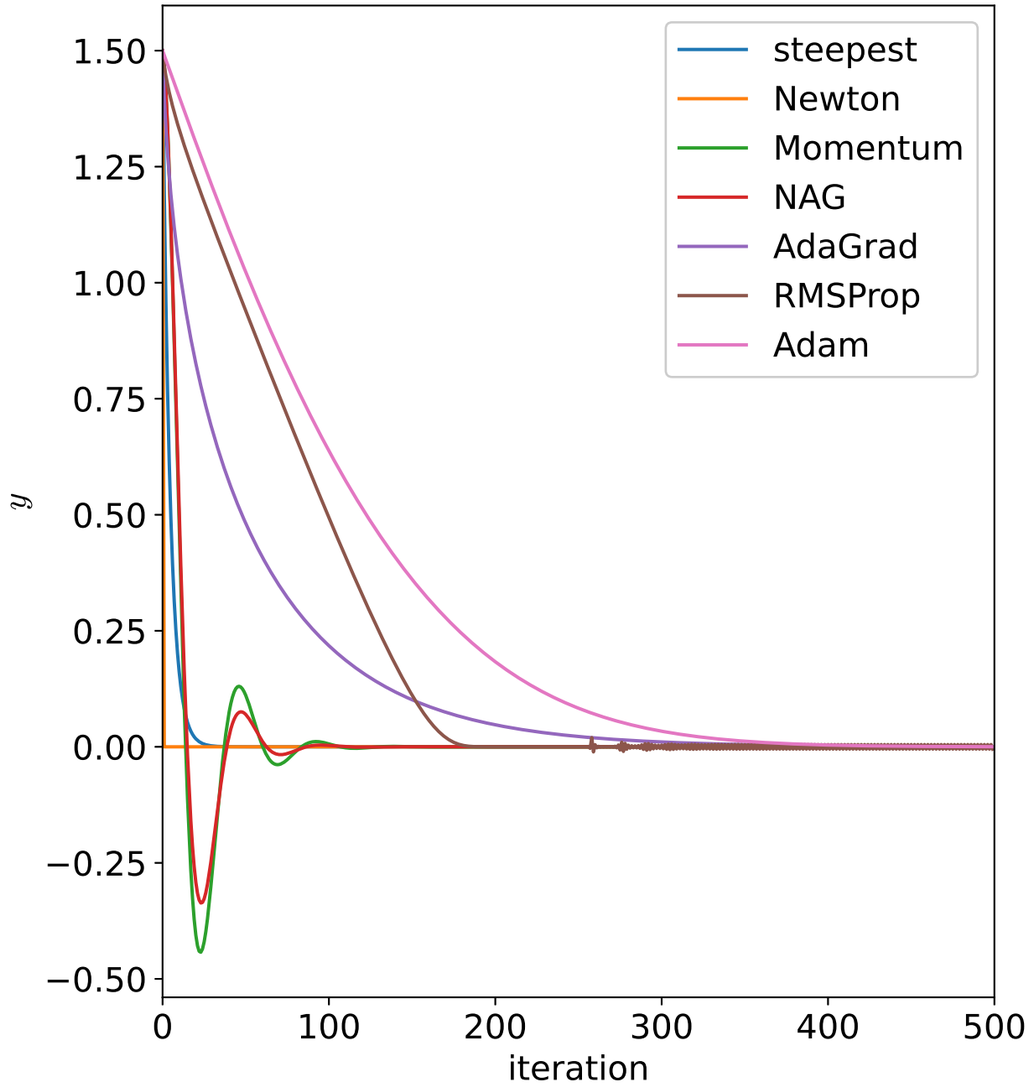

steepest
Newton
Momentum
NAG
AdaGrad
RMSProp
Adam
1.0
0.8
0.6
0.4
0.2
0.0
$x$
0
100
200
300
400
500
iteration


steepest
Newton
Momentum
NAG
AdaGrad
RMSProp
Adam
1.50
1.25
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
$y$
0
100
200
300
400
500
iteration