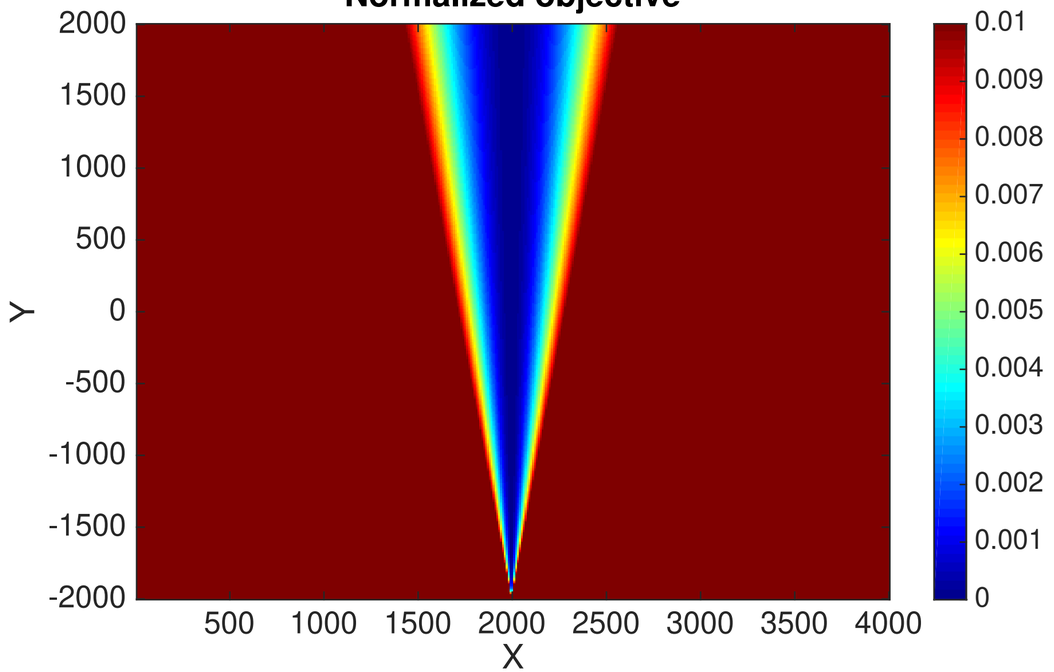
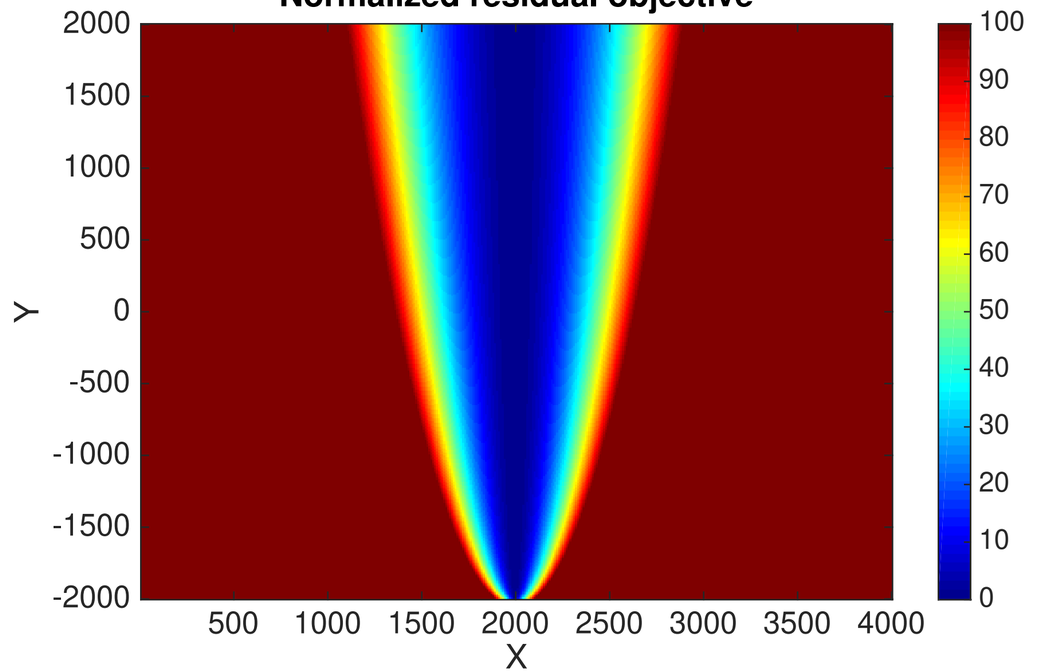
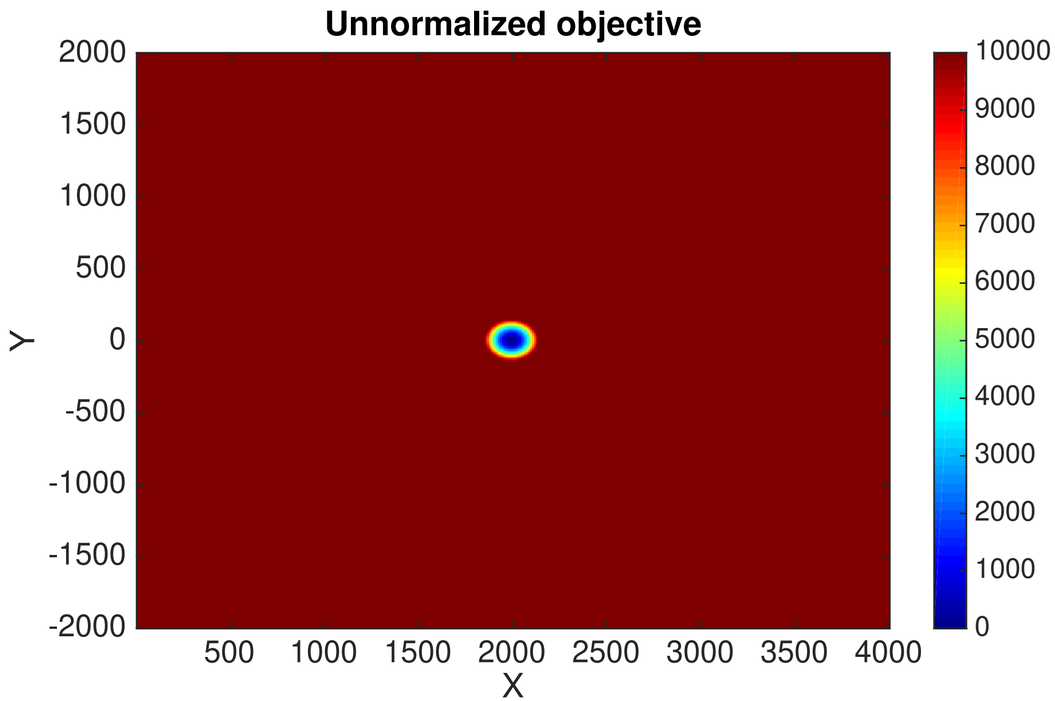
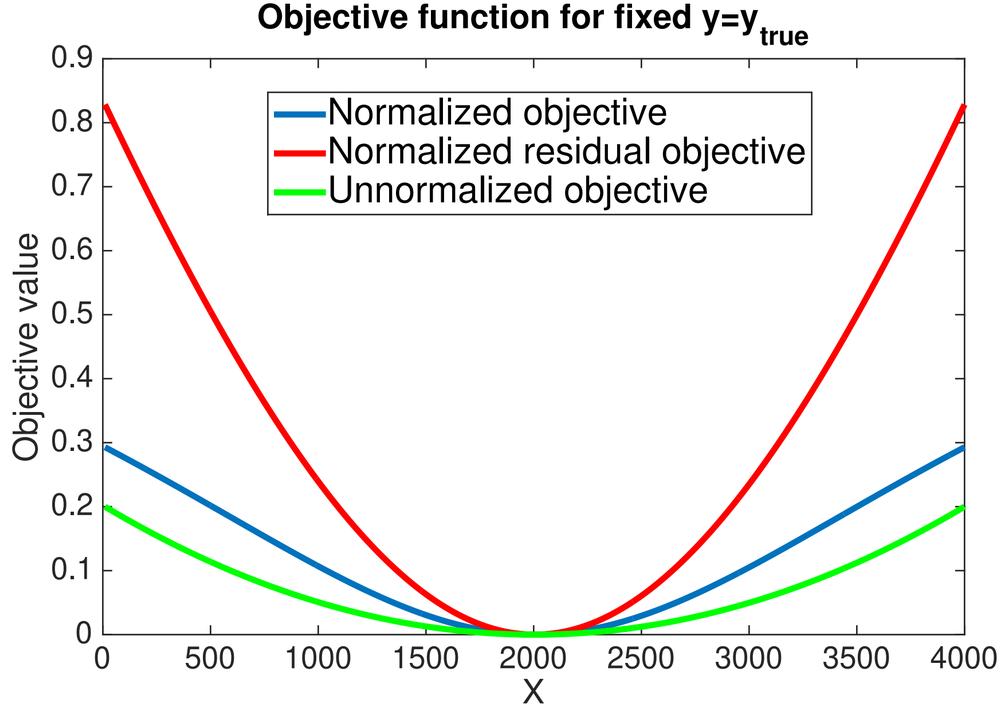

Normalized objective
2000
1500
1000
500
0
-500
-1000
-1500
-2000
Y
500 1000 1500 2000 2500 3000 3500 4000
X
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0


Normalized residual objective
2000
1500
1000
500
0
-500
-1000
-1500
-2000
Y
500 1000 1500 2000 2500 3000 3500 4000
X
100
90
80
70
60
50
40
30
20
10
0


Unnormalized objective
2000
1500
1000
500
0
-500
-1000
-1500
-2000
Y
500 1000 1500 2000 2500 3000 3500 4000
X
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0


Objective function for fixed y=y true
Normalized objective
Normalized residual objective
Unnormalized objective
Objective value
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 500 1000 1500 2000 2500 3000 3500 4000
X