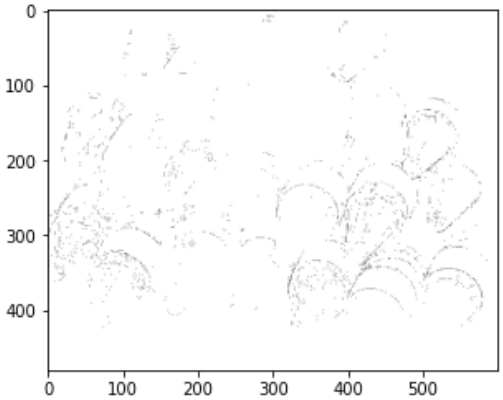
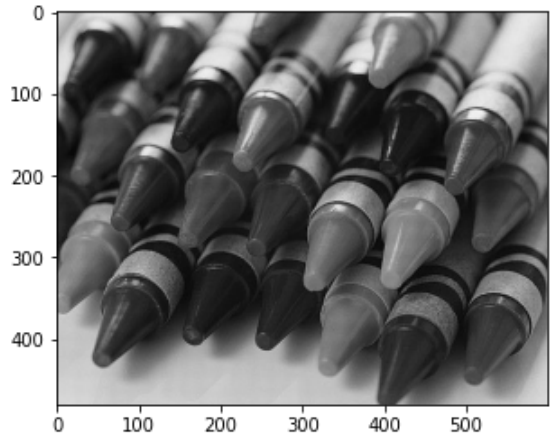
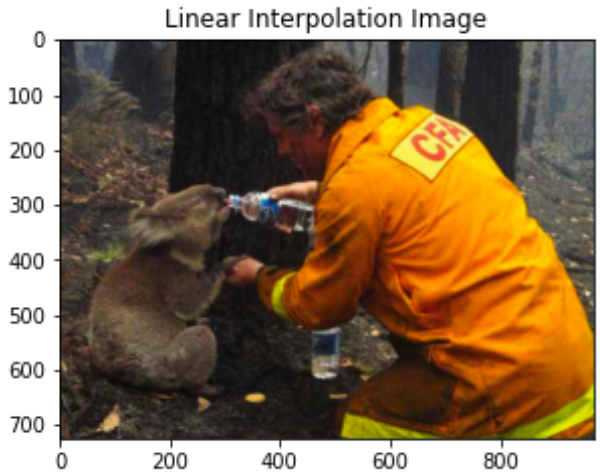
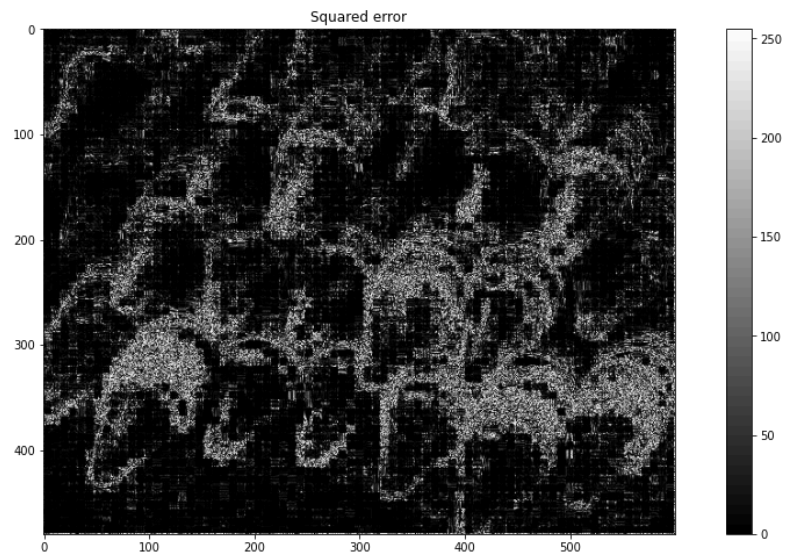
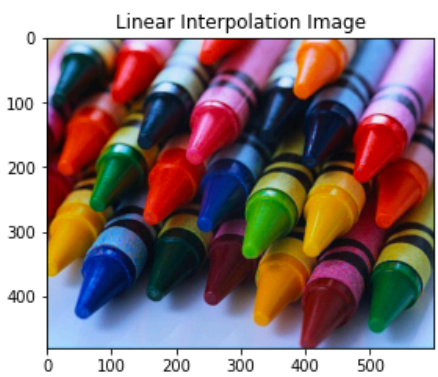
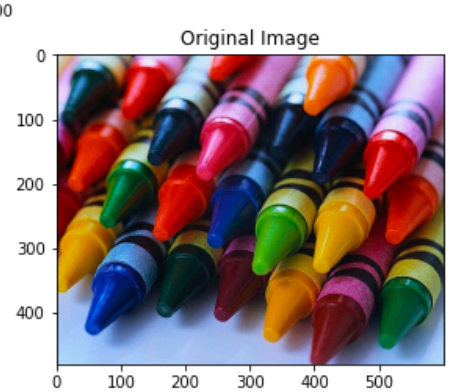

0
100
200
300
400
0
100
200
300
400
500


0
100
200
300
400
0
100
200
300
400
500

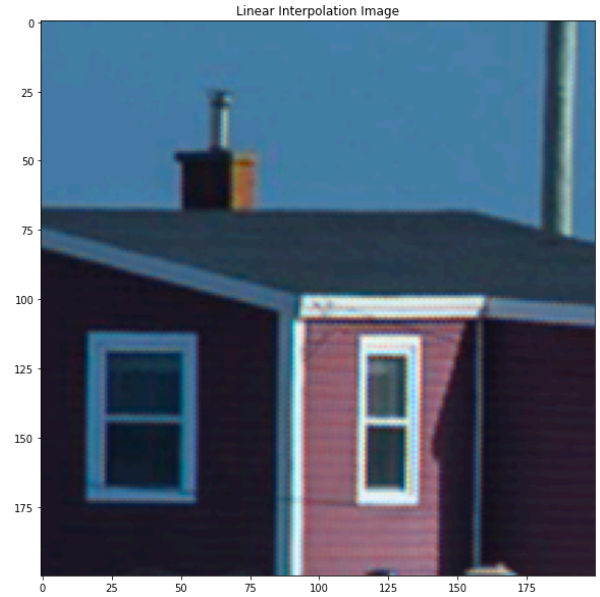

Linear Interpolation Image
0
100
200
300
400
500
600
700
0
200
400
600
800

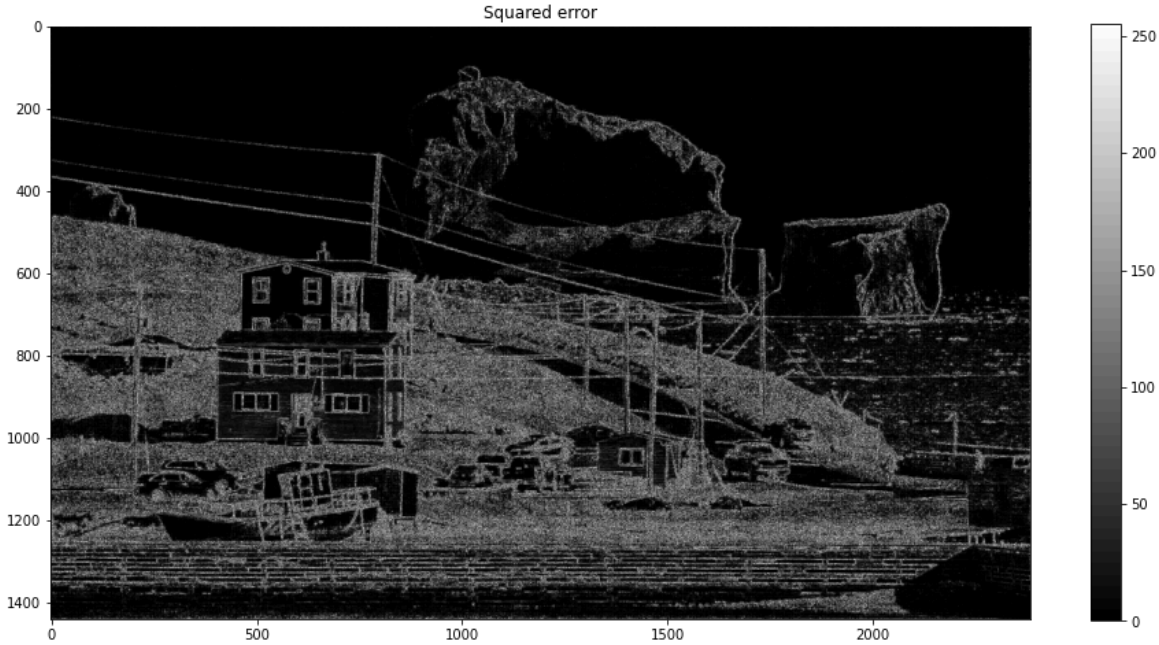

Squared error
0
100
200
300
400
0
100
200
300
400
500
250
200
150
100
50
0

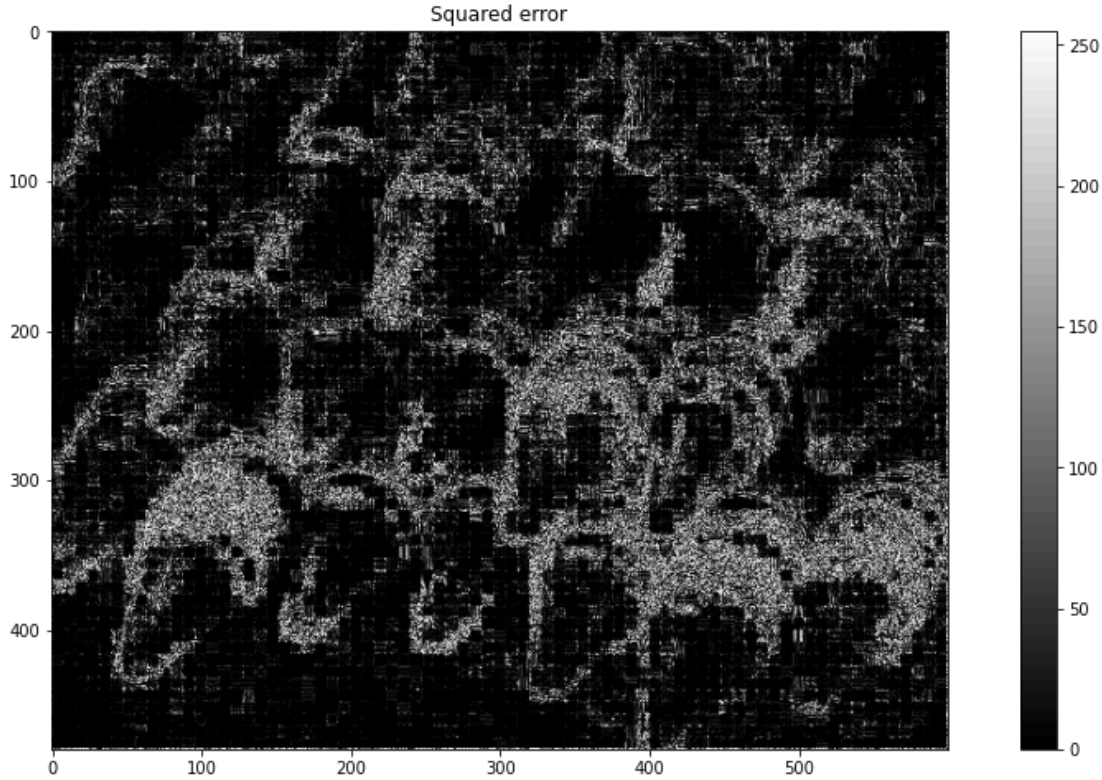

Linear Interpolation Image
0
100
200
300
400
0
100
200
300
400
500

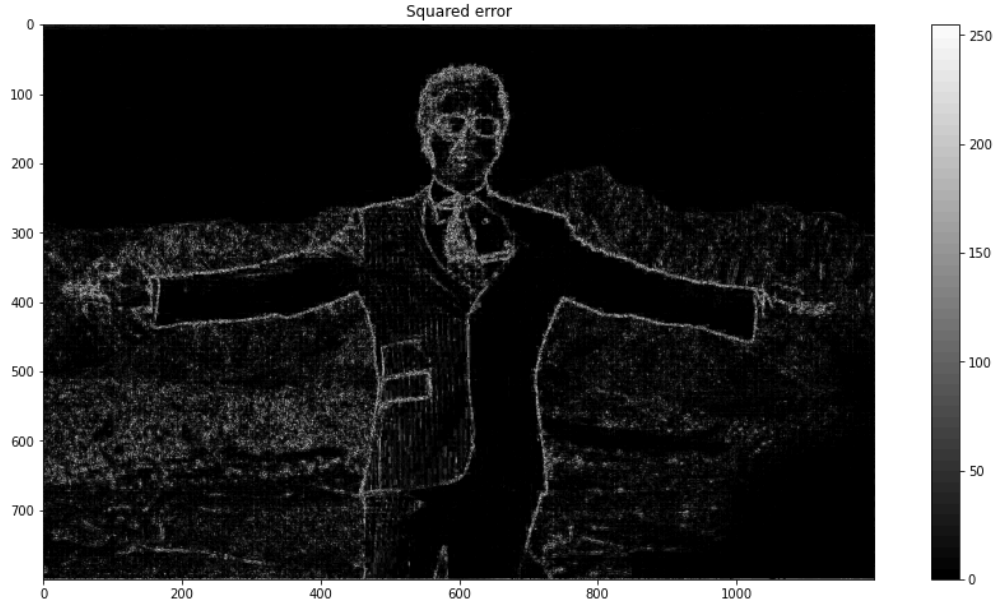

Original Image
0
100
200
300
400
0
100
200
300
400
500

Linear Interpolation Image
0
25
50
75
100
125
150
175
0
25
50
75
100
125
150
175

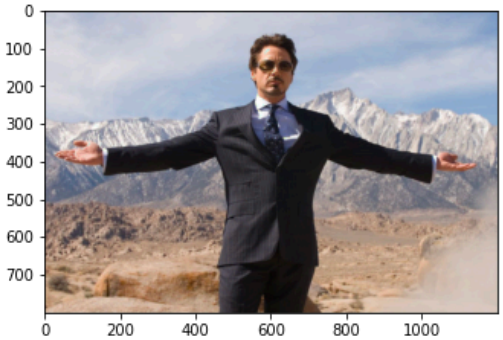

Linear Interpolation Image
0
25
50
75
100
125
150
175
0
25
50
75
100
125
150
175

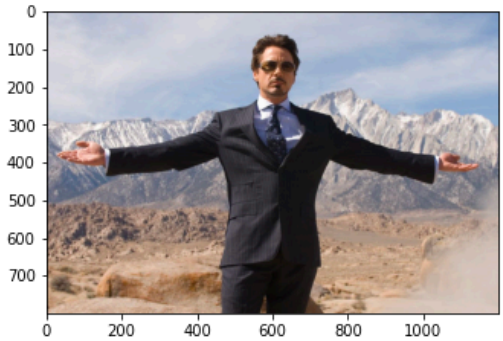

Squared error
0
200
400
600
800
1000
1200
1400
0
500
1000
1500
2000
250
200
150
100
50
0

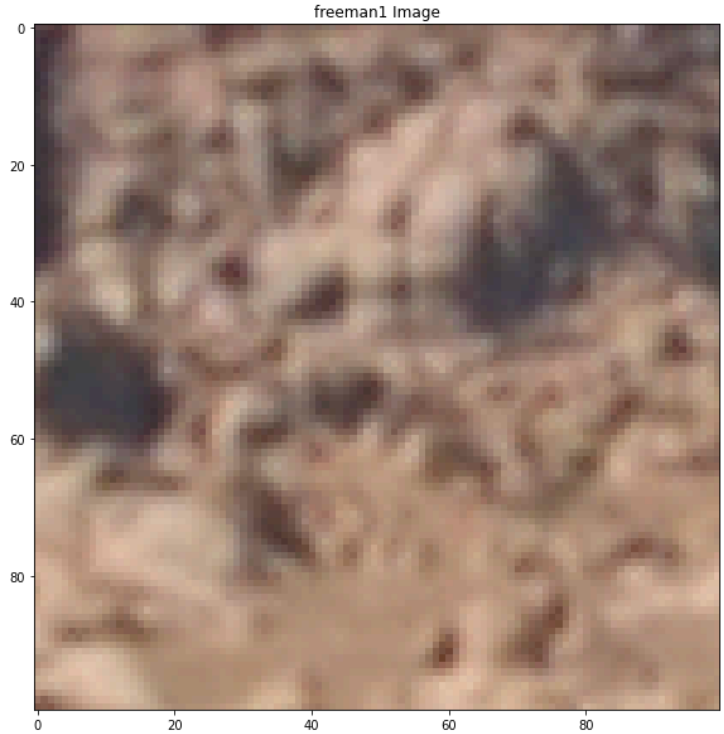

Squared error
0
100
200
300
400
0
100
200
300
400
500
250
200
150
100
50
0

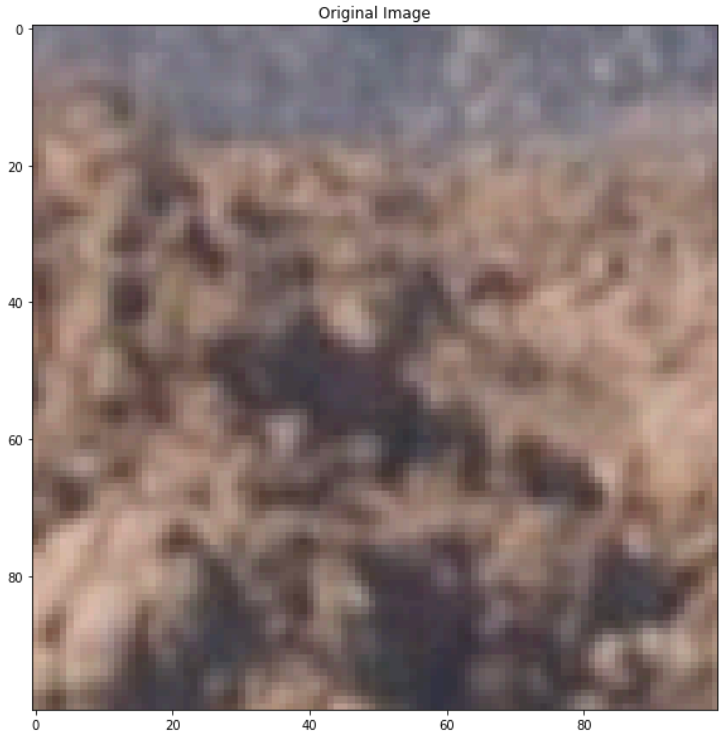

Squared error
0
100
200
300
400
500
600
700
0
200
400
600
800
1000
250
200
150
100
50
0

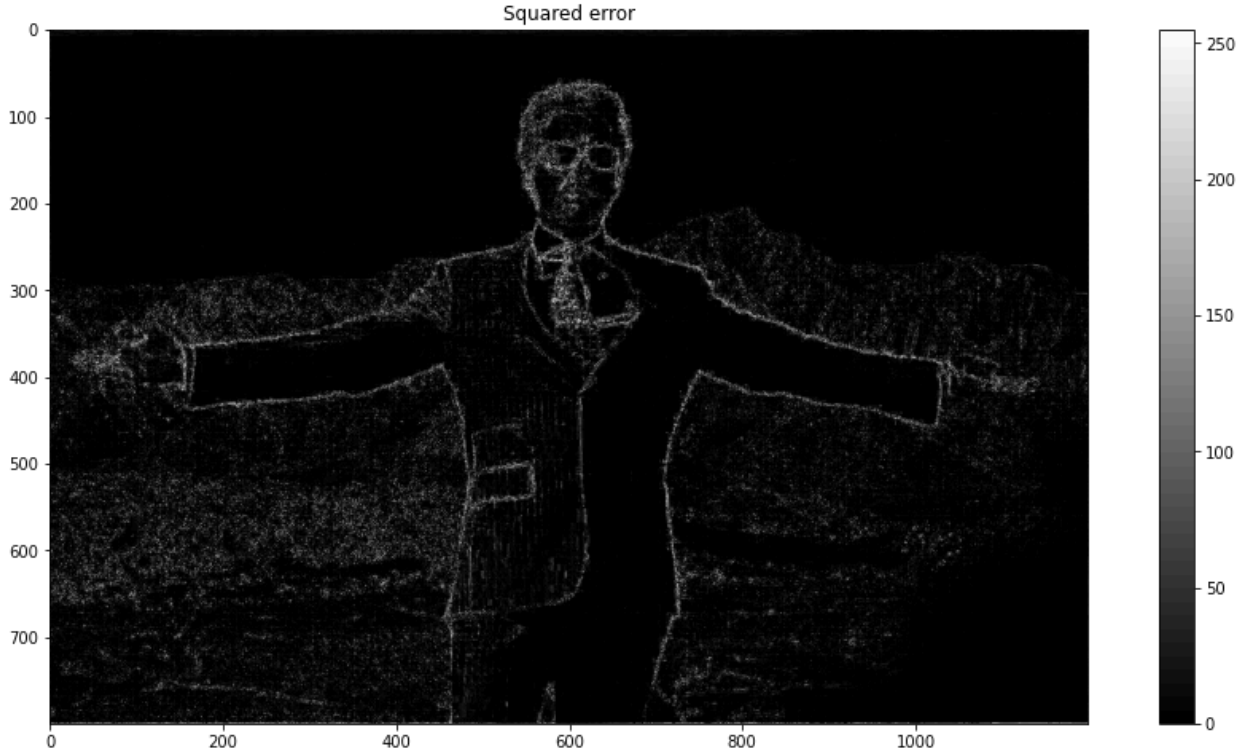
0
100
200
300
400
500
600
700
0
200
400
600
800

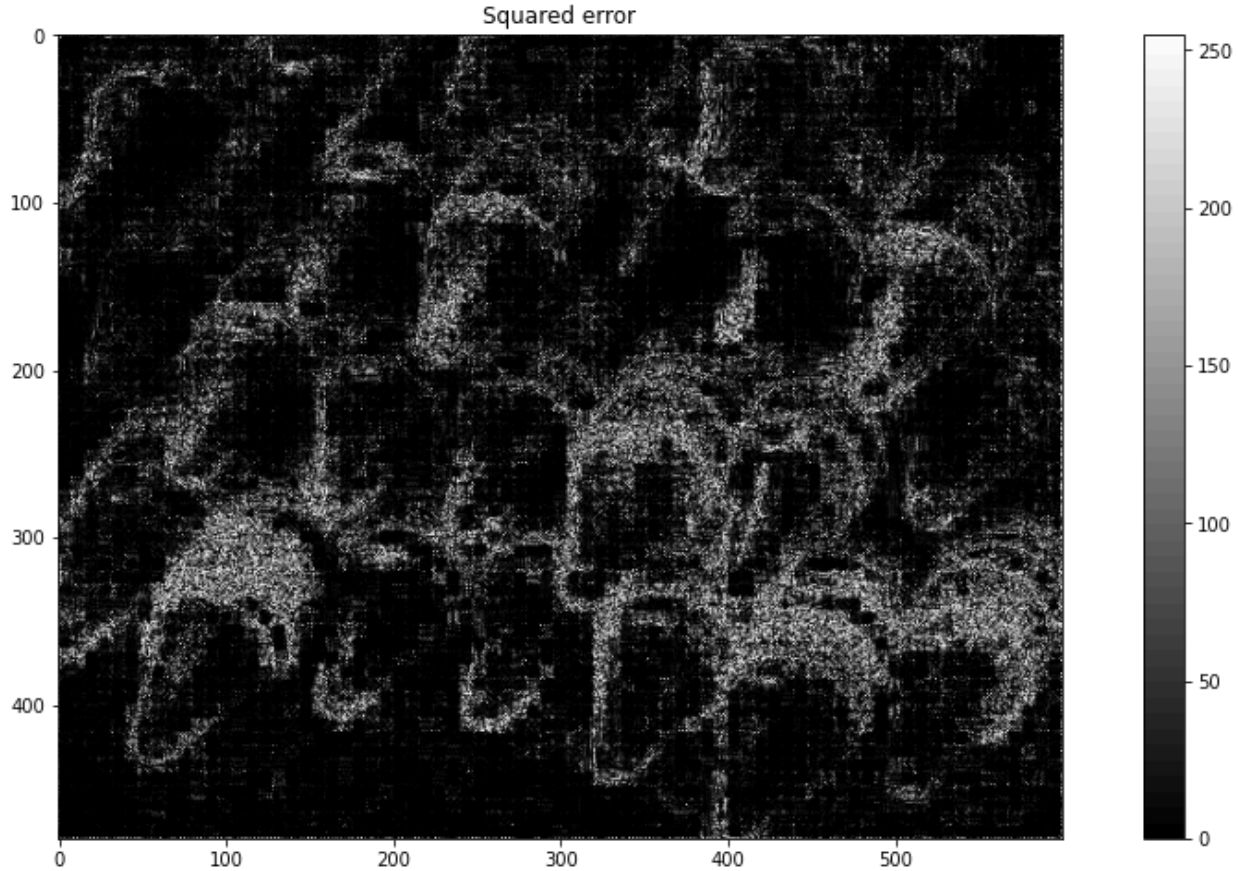

0
100
200
300
400
500
600
700
0
200
400
600
800
1000


0
100
200
300
400
500
600
700
0
200
400
600
800
1000

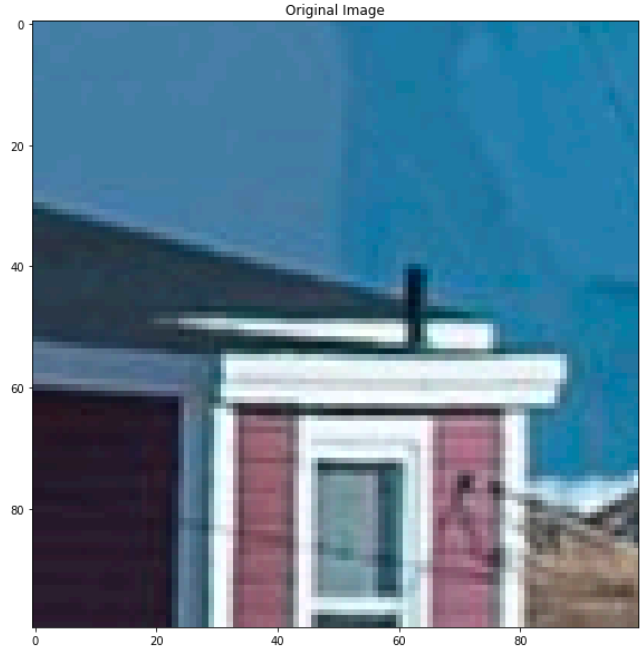

freeman1 Image
0
20
40
60
80
0
20
40
60
80

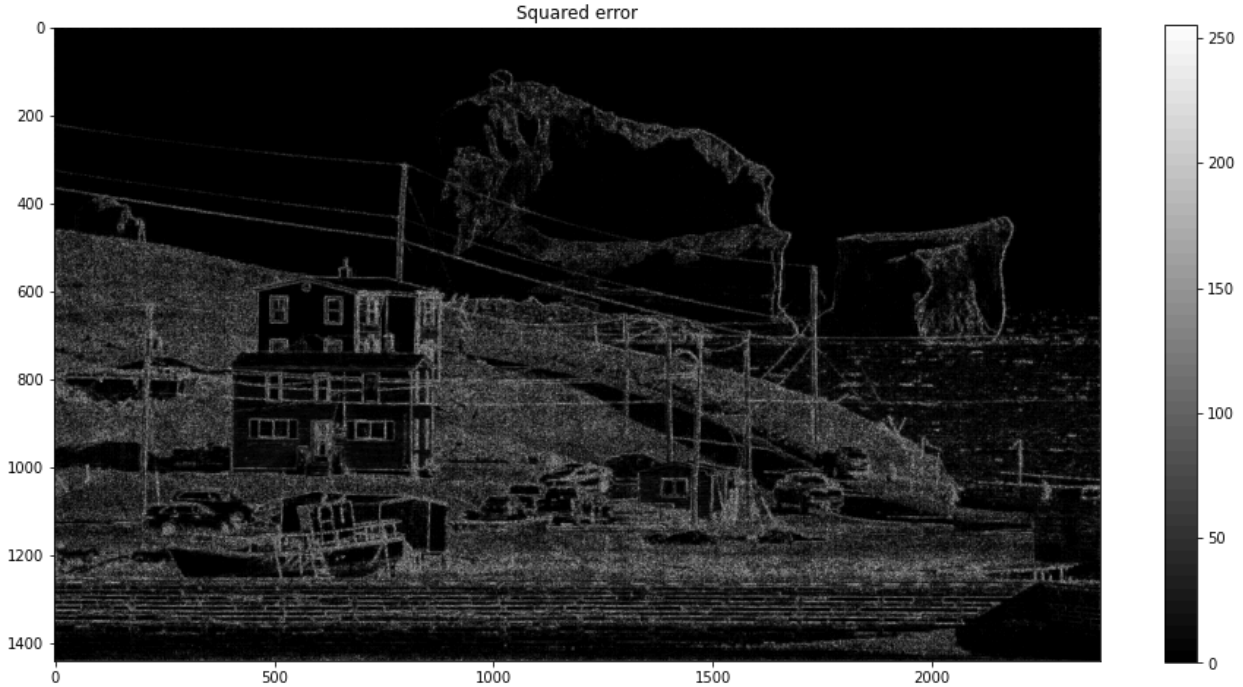

Original Image
0
20
40
60
80
0
20
40
60
80

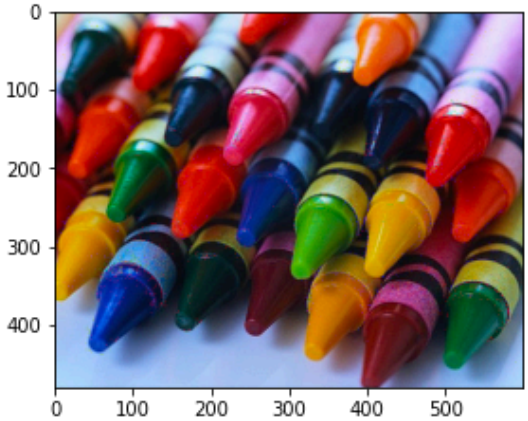

Squared error
0
100
200
300
400
500
600
700
0
200
400
600
800
1000
250
200
150
100
50
0

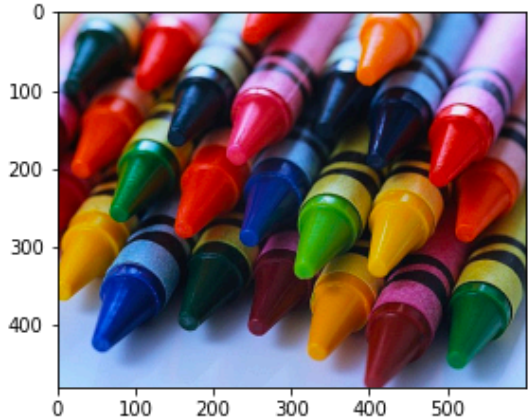

Squared error
0
100
200
300
400
0
100
200
300
400
500
250
200
150
100
50
0

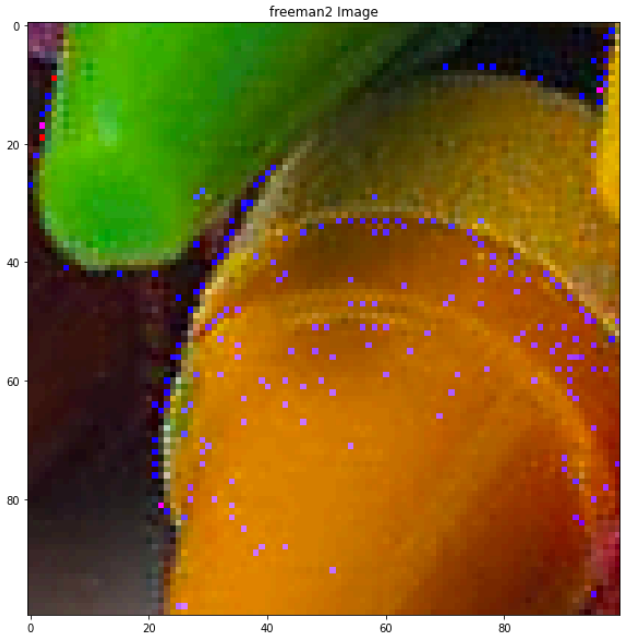
freeman2 Image
0
20
40
60
80
0
20
40
60
80


Original Image
0
20
40
60
80
0
20
40
60
80


Squared error
0
200
400
600
800
1000
1200
1400
0
500
1000
1500
2000
250
200
150
100
50
0


0
100
200
300
400
0
100
200
300
400
500


0
100
200
300
400
0
100
200
300
400
500


freeman2 Image
0
20
40
60
80
0
20
40
60
80

Original Image
0
20
40
60
80
0
20
40
60
80