Assignment 2

# 

1. See applyFilter.m
2. % s =

%

% 11657

This filter is useful for highlighting or emphasizing vertical edges of an image.



# 

1. See computeEngGrad.m
2. % s =

%

% 4.5304e+06



1. See computeEngColor.m

% s =

%

% -58999407



1. See computeEng.m
2. See removeSeamV.m
3. See addSeamV.m
4. See seamV\_DP.m
5. See bestSeamV.m
6. See reduceWidth.m
7. See reduceHeight.m
8. See increaseWidth.m
9. See increaseHeight.m
10. See intelligentResize.m

Cat:

% totalCost =

%

% -1.0109e+06



Face:

% totalCost =

%

% -4.0257e+05





% sigma2 =

%

% 2.0833

%

%

% W =

%

% 1.0000 4.0000 0.7866

% 2.0000 5.0000 0.7866

% 3.0000 6.0000 0.3829

% 4.0000 7.0000 0.1153

% 5.0000 8.0000 0.7866

% 6.0000 9.0000 1.0000

% 1.0000 2.0000 0.7866

% 4.0000 5.0000 0.7866

% 7.0000 8.0000 0.7866

% 2.0000 3.0000 0.3829

% 5.0000 6.0000 0.7866

% 8.0000 9.0000 0.7866

% 4.0000 1.0000 0.7866

% 5.0000 2.0000 0.7866

% 6.0000 3.0000 0.3829

% 7.0000 4.0000 0.1153

% 8.0000 5.0000 0.7866

% 9.0000 6.0000 1.0000

% 2.0000 1.0000 0.7866

% 5.0000 4.0000 0.7866

% 8.0000 7.0000 0.7866

% 3.0000 2.0000 0.3829

% 6.0000 5.0000 0.7866

% 9.0000 8.0000 0.7866

%

%

% segm =

%

% 3�3 logical array

%

% 0 0 0

% 0 0 0

% 0 1 1

%

%

% e2 =

%

% 1.5524