

Problem: Produce a Negative













Median of a 2D Array

function med = medVal(C)
% Return the median value in the 2D array C.

% Assemble C's entries into a 1-dim array and sort [p,q] = size(C); n = p*q; v = C(1:n); % Can access 2D-array with 1D subscripts v = sort(v);

% Compute median of v and assign to med

Filtering by Median function B = MedianFilter(A,r) % B is a uint8 array obtained from A by median filtering % with radius r neighborhoods. [m,n] = size(A); B = uint8(zeros(m,n)); for i=1:m for j=1:n C = pixel (i,j) neighborhood B(i,j) = medVal(C); end end





What is an Edge?							
Near an edge, grayness values change abruptly.							
	200	200	200	200	200	200	
	200	200	200	200	200	100	
	200	200	200	200	100	100	
	200	200	200	100	100	100	
	200	200	100	100	100	100	
	200	100	100	100	100	100	

