

```

87
88 % Section 4
0.02 2 89 nablaI(:,:,1)=I_x.*I_x;
0.02 2 90 nablaI(:,:,2)=I_x.*I_y;
2 91 nablaI(:,:,3)=I_y.*I_y;
92
2 93 if (graphs == 1)
94     figure(33);imshow([nablaI(:,:,1) nablaI(:,:,2) na
95 end
96
97 % Section 5
0.16 2 98 Ky = Kx';
2 99 J = imfilter(imfilter(nablaI,Kx, 'conv', 'replicate'),
100 Ky, 'conv', 'replicate');
101
2 102 if (graphs == 1)
103     figure(34);imshow([J(:,:,1) J(:,:,2) J(:,:,3)],[])
104 end
105
106 % Section 6
107 %[w1, mu1] = fastEig(J);
2 108 for y=1:size(J,1)
354 109     for x=1:size(J,2)
6.73 252048 110         [w(y,x,:), mu(y,x,:)] = eig([J(y,x,1) J(y
0.08 252048 111     end
354 112 end
113
114 %Section 7
2 115 delta = 1 - beta*(abs(inImage - I));
2 116 delta = delta .* (delta>=0);
117
0.06 2 118 lambda(:,:,1) = alpha.*delta.*((mu(:,:,1,1)-mu(:,:,2,
119     (1-((mu(:,:,1,1)-mu(:,:,2,2)).^2./s2)));
2 120 lambda(:,:,2) = alpha.*delta;
121
122 %lambda(:,:,) = [mu(:,:,1,1) mu(:,:,2,2)];
123 %Section 8
0.03 2 124 D(:,:,1,1) = lambda(:,:,1).*w(:,:,1,1).^2 + lambda(:,
0.08 2 125 D(:,:,1,2) = lambda(:,:,1).*w(:,:,1,1).*w(:,:,2,1) +
2 126 D(:,:,2,1) = D(:,:,1,2);
0.03 2 127 D(:,:,2,2) = lambda(:,:,1).*w(:,:,2,1).^2 + lambda(:,
128
129 % if (graphs == 1)
130 %     figure('Name','D');imshow([D(:,:,1,1) D(:,:,1,2
131 % end
132
2 133 a = squeeze(D(:,:,1,1));
2 134 b = squeeze(D(:,:,1,2));
0.03 2 135 c = squeeze(D(:,:,2,1));
2 136 d = squeeze(D(:,:,2,2));
137
138 % === KLART HIT === %
139 % A1 = zeros(size(I));
140 % A1(1,2) = (a(1,1)+a(1,2)) / 2;
141 % A1(1,1) = a(1,2)*2; % ???
142 % for i = 2:(size(A1, 1)-1)
143 %     for j = 2:(size(A1,2)-1)

```