
```
I1 = imread('image2.jpg');
figure(1);
imshow(I1);
title("Original");
[row,col] = size(I1);
old_min = min(I1(:));
old_max = max(I1(:));
new_min = 0;
new_max = 255;
for x=1:row
    for y=1:col
        I2(x,y) = ((I1(x,y) - old_min) / (old_max - old_min)) *
            (new_max - new_min) + new_min;
    end
end

figure(2);
imshow(I2);
title("contrast streching");
imwrite(I2,"contrast streching.png");

% Contrast Streching

r = 127;
for x = 1:row
    for y = 1:col
        if I1(x,y) >= r
            I3(x,y) = 1;
        else
            I3(x,y) = 0;
        end
    end
end

figure(3);
imshow(I3);
title("Thresholding");
imwrite(I3 , "Thresholding.png");

% Threshoulding

for x=1:row
    for y=1:col
        I4(x,y) = 255-I1(x,y);
    end
end

figure(4);
imshow(I4);
title("negative");
imwrite(I4,"Negative.png");

% Negative
```

```

I1 = double(I1);
c = 255 / log(1 + max(I1(:)));
I5 = c * log(1 + I1);
I5 = uint8(I5);
figure(5);
imshow(I5);
title("Log Transformation");
imwrite(I5, "Log.png");

% Log

I1 = double(I1);
gamma = 0.65;
I6 = I1 .^ gamma;
I6(I6 > 255) = 255;
I6 = uint8(I6);
figure(6);
imshow(I6);
title("Gamma");
imwrite(I6, "Gamma.png");

% Gamma

for x = 1:row
    for y = 1:col
        if I1(x,y) <= 100
            I7(x,y) = I1(x,y) * 1.5;
        elseif I1(x,y) > 100 & I1(x,y) <= 200
            I7(x,y) = I1(x,y) * 1.2;
        else
            I7(x,y) = 255;
        end

        if I7(x,y) > 255
            I7(x,y) = 255;
        end
    end
end
figure(7);
imshow(I7);
title("Piecewise");
imwrite(I7, "Piecewise.png");

Cannot find an exact (case-sensitive) match for 'forMe'

The closest match is: ForMe in C:\Users\zakar\OneDrive\Desktop
\projectmatlab\ForMe.m

```

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