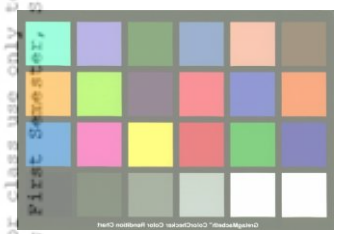
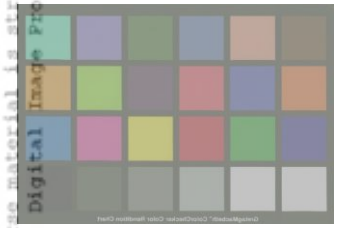
Assignment 1: 1A additional comments

good chart

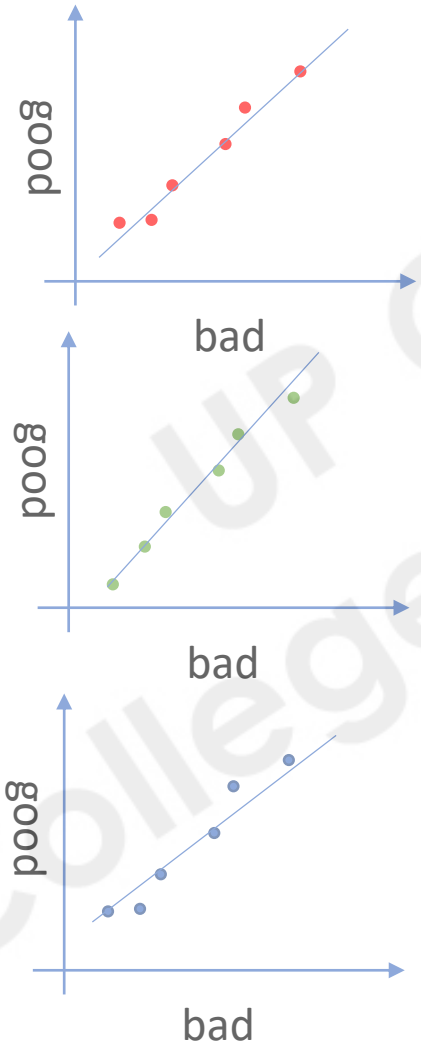


bad chart



24x3 array

24x3 array

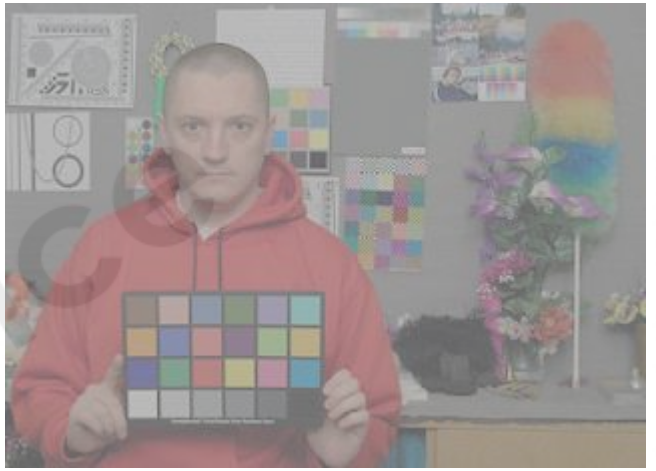


color correction lookup table (256x3)

	red	green	blue
0	5	0	2
255	241	253	248

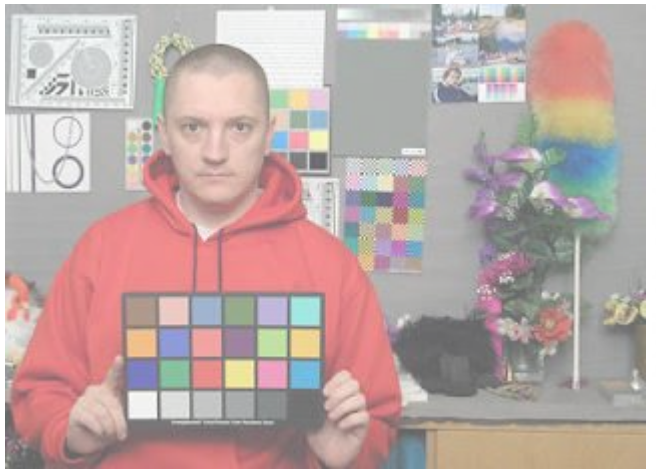
Contains correction for every bad red, green or blue value to its correct value

Bad (values in range 0..255)



Lookup table used to adjust every R,G and B value in bad image

corrected



get_chart_values()

chart_correction()

apply_rgb_map()

Assignment 1: 1C – 1D additional comments

MEDIAN FILTER

Odd number of samples – use middle values of sorted list

Even number of samples – use average of middle two values of sorted list

For exercises 1B to 1D don't worry about pixels near the image edges where you have missing values for the NxM neighbourhood unless you really want to. You can leave these blank or just copy the original values. Make sure that the output image is the same size as the input image

and remember you can use conv2() in part 1D.