
```
%to enhance the image using histogram equalization and gamma
correction
f = imread('fig5.PNG');
figure;
imshow(f);
title('Original Image')

f_hist = histeq(f);
figure;
imshow(f_hist);
title('Histogram equalization');

f_gamma_0_0= imadjust(f,[],[],0.0);
figure;
imshow(f_gamma_0_0);
title('Gamma equalization with 0.0');

f_gamma_0_5= imadjust(f,[],[],0.5);
figure;
imshow(f_gamma_0_5);
title('Gamma equalization with 0.5');

f_gamma_1 = imadjust(f,[],[],1.0);
figure;
imshow(f_gamma_1);
title('Gamma equalization with 1.0');

f_gamma_2 = imadjust(f,[],[],2.0);
figure;
imshow(f_gamma_2);
title('Gamma equalization with 2.0');

f_gamma_3 = imadjust(f,[],[],3.0);
figure;
imshow(f_gamma_3);
title('Gamma equalization with 3.0');
```

Original Image



Histogram equalization



Gamma equalization with 0.0

Gamma equalization with 0.5



Gamma equalization with 1.0



Gamma equalization with 2.0



Gamma equalization with 3.0



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