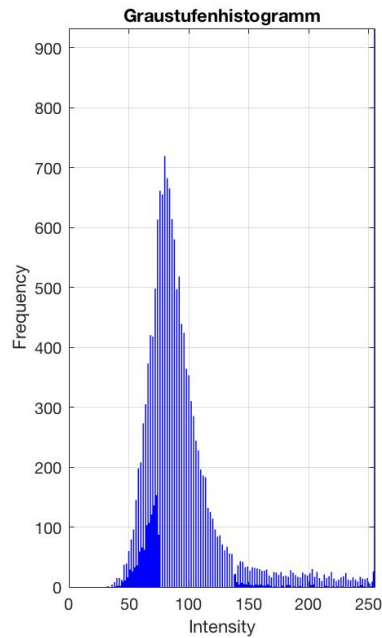
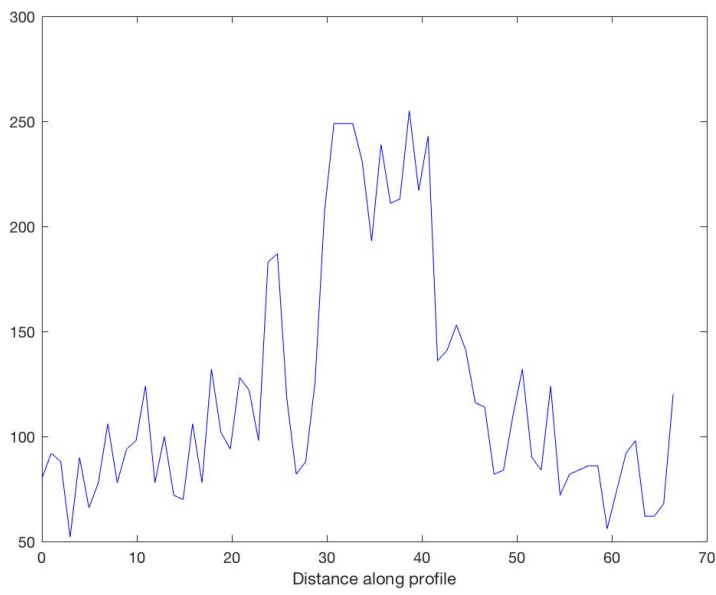
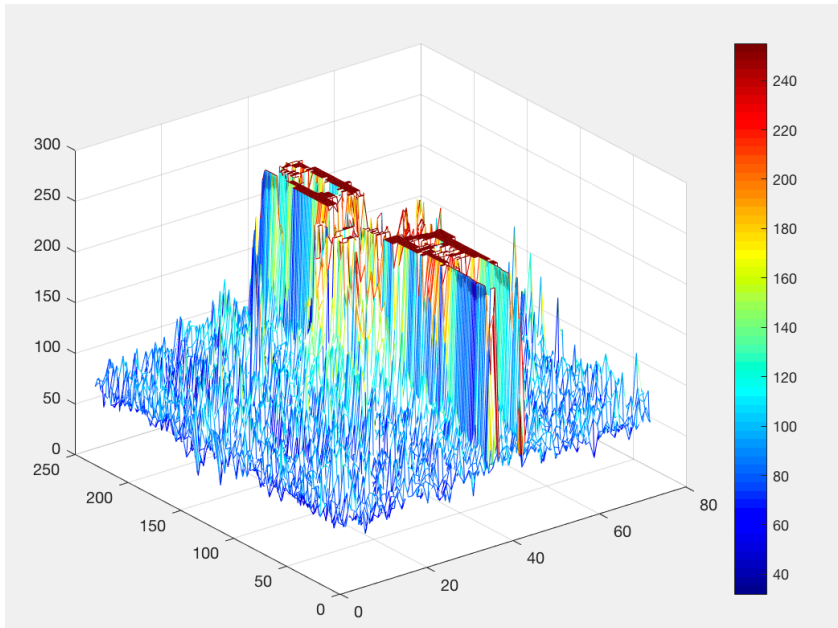


```

I = uint8(imread('fuzzball.BMP'));
subplot(1,2,1), imshow(I)
title('Fuzzball')
[H,x] = imhist(I);
subplot(1,2,2), bar(x,H,1,'b'), grid
axis([0 255 0 max(H)]);
title('Graustufenhistogramm'), xlabel('Intensity'), ylabel('Frequency')
MIN = min(min(I)); MAX = max(max(I)); C = double(MAX-MIN)/255; MUE =
mean2(I); STD = std2(I);
fprintf('\nImage: %s\n', I)
fprintf('x_min = %3i; mue = %5.1f \n', MIN,MUE)
fprintf('x_max = %3i; std = %5.1f \n', MAX,STD)
fprintf('contrast = %4.2f\n', C)
figure, mesh(I)
colormap jet;
colorbar
figure, imshow(I);
improfile

```





$x_{\min} = 32$; $\mu = 101.8$
 $x_{\max} = 255$; $\text{std} = 50.0$
 $\text{contrast} = 0.87$