

```

1 pkg load video
2 pkg load image
3
4 #PREDPROCESIRANJE
5 # razdelimo video v slike, zmanjsamo in damo v grayscale. koda dela trenutno
6
7 #system('ffmpeg -i /home/arun/Desktop/videoti/famnit_hitripremik.mp4
  "/home/arun/Desktop/videoti/frames_test/%03d.jpg" ')
8
9 direktorij="/home/arun/Desktop/videoti/frames_test/"
10 list = readdir(direktorij);
11
12 numelts = numel(list)-3; #st datotek, ker so druge reci v direktoriju
13 saved_frames = zeros(54,96,numelts) ; #3D matrika init
14
15 #sprehajamo po datotekah.
16 for i = 3:numel(list)-1
17
18     #pot do slike
19     path_to_img = strcat(direktorij,list{i,1})
20     #beremo
21     img = imread(path_to_img);
22     #resizamo 20x manjsi, seprav na to resolucijo
23     resized = imresize(img,[54 96]);
24     #zgeneriramo ime kjer ga bo zapisal
25     newimg_name = strcat("/home/arun/Desktop/videoti/frames_test/resized_test/",int2str(i),"resized.jpeg");
26     #damo v grayscale
27     resized = rgb2gray(resized);
28     #zapisemo
29     imwrite(resized,newimg_name);
30     #shranimo v variable
31     saved_frames(:,:,i-2) = resized;
32     sum(sum(saved_frames(:,:,i-2)))
33 end
34 save('/home/arun/Desktop/videoti/video.mat','saved_frames');
35
36
37 %neuprabne reci
38 %#stevilo pikslov
39 % numPixels = imfinfo(path_to_img).Width * imfinfo(path_to_img).Height;
40 %imfinfo(resized)
41 % grayimg = rgb2gray(resized);
42 % concat = strcat(i,"gray.jpeg");
43 % imwrite(grayimg,concat);
44
45
46
47 clear imwrite
48 clear concat
49 clear resized
50 clear direktorij
51 clear list
52

```