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1 /Users/ajaamour/Environments/Content-Based-Video-Retrieval-Code/bin/python3 /Users/ajaamour/Projects/Content-Based-Video-Retrieval-Code/app/main.py --model all --mode test --showhists
```

```
2 Do you wish to stabilise the recorded query video? [y/N] y
```

```
3
```

```
4 Stabilised version of query already found: 'stable-recording3.avi'
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5
```

```
6 Using query: 'stable-recording3.avi'
```

```
7
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```
8 Please crop the recorded query video for the signature to be generated.
```

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9
```

```
10 Greyscale Histogram Comparison Results:
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```
11
```

```
12 CORRELATION
```

sushi.mp4	-0.04906
disco-ball.mp4	-0.24845
ice-hockey.mp4	-0.25634
beach.mp4	0.10313
butterfly.mp4	0.33377
spaghetti.mp4	0.64516

```
24
```

```
25 Greyscale CORRELATION match found: spaghetti.mp4
```

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26
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27
```

```
28 CHI-SQUARE
```

sushi.mp4	3410.27354
disco-ball.mp4	86621.92583
ice-hockey.mp4	4358.13383
beach.mp4	55.08272
butterfly.mp4	9.34003
spaghetti.mp4	7.59116

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40
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```
41 Greyscale CHI-SQUARE match found: spaghetti.mp4
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42
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43
```

```
44 INTERSECTION
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sushi.mp4	7.25432
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45
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46		
47	disco-ball.mp4	0.8675
48		
49	ice-hockey.mp4	1.06405
50		
51	beach.mp4	6.10959
52		
53	butterfly.mp4	6.51279
54		
55	spaghetti.mp4	5.6198
56		

57 Greyscale INTERSECTION match found: sushi.mp4

58

59

60	HELLINGER	
61	sushi.mp4	0.39752
62		
63	disco-ball.mp4	0.77503
64		
65	ice-hockey.mp4	0.73212
66		
67	beach.mp4	0.41016
68		
69	butterfly.mp4	0.4124
70		
71	spaghetti.mp4	0.36488
72		

73 Greyscale HELLINGER match found: spaghetti.mp4

74

75

76

77 RGB Histogram Comparison Results:

78

79	CORRELATION	
80	sushi.mp4	-0.19274
81		
82	disco-ball.mp4	-0.24466
83		
84	ice-hockey.mp4	-0.24504
85		
86	beach.mp4	-0.08755
87		
88	butterfly.mp4	0.45455
89		
90	spaghetti.mp4	0.14436
91		

92 RGB CORRELATION match found: butterfly.mp4

93

94

95 CHI-SQUARE

96	sushi.mp4	4676.83706
97		
98	disco-ball.mp4	12250.35668
99		
100	ice-hockey.mp4	3157.02906
101		
102	beach.mp4	134.79244
103		
104	butterfly.mp4	7.65982
105		
106	spaghetti.mp4	88.79301
107		
108	RGB CHI-SQUARE match found: butterfly.mp4	
109		
110		
111	INTERSECTION	
112	sushi.mp4	6.92137
113		
114	disco-ball.mp4	0.8797
115		
116	ice-hockey.mp4	1.29406
117		
118	beach.mp4	4.44962
119		
120	butterfly.mp4	7.72822
121		
122	spaghetti.mp4	4.2475
123		
124	RGB INTERSECTION match found: butterfly.mp4	
125		
126		
127	HELLINGER	
128	sushi.mp4	0.39945
129		
130	disco-ball.mp4	0.75606
131		
132	ice-hockey.mp4	0.68977
133		
134	beach.mp4	0.53515
135		
136	butterfly.mp4	0.36522
137		
138	spaghetti.mp4	0.52503
139		
140	RGB HELLINGER match found: butterfly.mp4	
141		
142		
143		
144	HSV Histogram Comparison Results:	
145		

146 EARTH'S MOVER DISTANCE

147 sushi.mp4	3.07203
148	
149 disco-ball.mp4	2.43814
150	
151 ice-hockey.mp4	2.14705
152	
153 beach.mp4	2.37272
154	
155 butterfly.mp4	0.99484
156	
157 spaghetti.mp4	2.25072
158	

159 HSV EARTH'S MOVER DISTANCE Match found: butterfly.mp4

160

161

162 ENERGY DISTANCE

163 sushi.mp4	12.32629
164	
165 disco-ball.mp4	10.07701
166	
167 ice-hockey.mp4	8.6981
168	
169 beach.mp4	9.68431
170	
171 butterfly.mp4	5.1075
172	
173 spaghetti.mp4	9.17143
174	

175 HSV ENERGY DISTANCE Match found: butterfly.mp4

176

177

178 Matches made: Counter({'butterfly.mp4': 40, 'spaghetti.mp4': 3, 'sushi.mp4': 1})

179 % of matches made: {'spaghetti.mp4': 6.82, 'sushi.mp4': 2.27, 'butterfly.mp4': 90.91}

180

181

182 Generated all histograms for all videos

183

184

185 MATCH FOUND: butterfly.mp4

186

187 --- Runtime: 4.17 seconds ---

188 --- Accuracy: 90.91 % ---

189

190 Process finished with exit code 0

191