

```
1 2  
3 faceLandmarks.py  
4 cap = cv2.VideoCapture(0)  
5  
6 hog_face_detector = dlib.get_frontal_face_detector()  
7  
8 dlib_facelandmark = dlib.shape_predictor("shape_predictor_68_face_landmarks.dat")  
9  
10 while True:  
11     , frame = cap.read()  
12     gray = cv2.cvtColor(frame, cv2.COLOR_BGR2GRAY)  
13  
14     faces = hog_face_detector(gray)  
15     for face in faces:  
16  
17         face_landmarks = dlib_facelandmark.detect_faces(frame, gray, hog_face_detector, dlib_facelandmark)  
18  
19         for n in range(0, 68):  
20             x = face_landmarks.part(n).x  
21             y = face_landmarks.part(n).y  
22             cv2.circle(frame, (x, y), 1, (0, 0, 255))  
23  
24  
25     cv2.imshow("Face Landmarks", frame)  
26  
27     key = cv2.waitKey(1)  
28     if key == 27:  
29         break
```

17 OpenCV 3.4.0



# Dlib C Library Image Processing

**Thomas Griffiths**



## **Dlib C Library Image Processing:**

The book delves into Dlib C Library Image Processing. Dlib C Library Image Processing is an essential topic that needs to be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Dlib C Library Image Processing, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
  - Chapter 1: Introduction to Dlib C Library Image Processing
  - Chapter 2: Essential Elements of Dlib C Library Image Processing
  - Chapter 3: Dlib C Library Image Processing in Everyday Life
  - Chapter 4: Dlib C Library Image Processing in Specific Contexts
  - Chapter 5: Conclusion
2. In chapter 1, the author will provide an overview of Dlib C Library Image Processing. The first chapter will explore what Dlib C Library Image Processing is, why Dlib C Library Image Processing is vital, and how to effectively learn about Dlib C Library Image Processing.
3. In chapter 2, this book will delve into the foundational concepts of Dlib C Library Image Processing. This chapter will elucidate the essential principles that need to be understood to grasp Dlib C Library Image Processing in its entirety.
4. In chapter 3, the author will examine the practical applications of Dlib C Library Image Processing in daily life. The third chapter will showcase real-world examples of how Dlib C Library Image Processing can be effectively utilized in everyday scenarios.
5. In chapter 4, this book will scrutinize the relevance of Dlib C Library Image Processing in specific contexts. This chapter will explore how Dlib C Library Image Processing is applied in specialized fields, such as education, business, and technology.
6. In chapter 5, the author will draw a conclusion about Dlib C Library Image Processing. This chapter will summarize the key points that have been discussed throughout the book.

This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Dlib C Library Image Processing.

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