



## Histogram Equalization & PCA based Face Recognition on MATLAB Platform: MATLAB based Histogram tech. & Face detection using Principle Component Analysis with detailed flow of Analysis & coding

By Naveen K. S.

Download now

Read Online ➔

**Histogram Equalization & PCA based Face Recognition on MATLAB Platform: MATLAB based Histogram tech. & Face detection using Principle Component Analysis with detailed flow of Analysis & coding** By Naveen K. S.

This book deals with the implementation of histogram equalization and histogram matching in a simple step by step approach using Probability Distributive Function (PDF) and Cumulative Distributive Function (CDF) in MATLAB with detailed coding steps using suitable examples. Next is implementation of Principle Component Analysis based face detection. From “Principle Analysis Technique” we calculate covariance matrix & then we can calculate eigenvectors & eigenvalues for this matrix. The eigenvector with the highest eigenvalue is the principle component of data set. Unknown face reorganization is our next concern. By following the data base obtained from earlier face reorganization system, we can easily classify any test image. For implementation of this part first eigenfaces of both original images & testing images are calculated & an average value of the distance between each is calculated. A threshold is calculated from a fixed procedure. If the distance is less than threshold then the tested image is considered as face or else it is discarded. All techniques explained as implemented in MATLAB & complete working code has been given in book to help a Knowledge Thirst driven student.

↓ [Download Histogram Equalization & PCA based Face Recognitio ...pdf](#)

📖 [Read Online Histogram Equalization & PCA based Face Recognit ...pdf](#)

# **Histogram Equalization & PCA based Face Recognition on MATLAB Platform: MATLAB based Histogram tech. & Face detection using Principle Component Analysis with detailed flow of Analysis & coding**

*By Naveen K. S.*

**Histogram Equalization & PCA based Face Recognition on MATLAB Platform: MATLAB based Histogram tech. & Face detection using Principle Component Analysis with detailed flow of Analysis & coding** By Naveen K. S.

This book deals with the implementation of histogram equalization and histogram matching in a simple step by step approach using Probability Distributions Function (PDF) and Cumulative Distributions Function (CDF) in MATLAB with detailed coding steps using suitable examples. Next is implementation of Principle Component Analysis based face detection. From "Principle Analysis Technique" we calculate covariance matrix & then we can calculate eigenvectors & eigenvalues for this matrix. The eigenvector with the highest eigenvalue is the principle component of data set. Unknown face reorganization is our next concern. By following the data base obtained from earlier face reorganization system, we can easily classify any test image. For implementation of this part first eigenfaces of both original images & testing images are calculated & an average value of the distance between each is calculated. A threshold is calculated from a fixed procedure. If the distance is less than threshold then the tested image is considered as face or else it is discarded. All techniques explained as implemented in MATLAB & complete working code has been given in book to help a Knowledge Thirst driven student.

**Histogram Equalization & PCA based Face Recognition on MATLAB Platform: MATLAB based Histogram tech. & Face detection using Principle Component Analysis with detailed flow of Analysis & coding** By Naveen K. S. **Bibliography**

- Sales Rank: #7719482 in Books
- Published on: 2012-04-30
- Original language: English
- Number of items: 1
- Dimensions: 8.66" h x .14" w x 5.91" l, .22 pounds
- Binding: Paperback
- 60 pages

 [Download Histogram Equalization & PCA based Face Recognitio ...pdf](#)

 [Read Online Histogram Equalization & PCA based Face Recognit ...pdf](#)

**Download and Read Free Online Histogram Equalization & PCA based Face Recognition on MATLAB Platform: MATLAB based Histogram tech. & Face detection using Principle Component Analysis with detailed flow of Analysis & coding By Naveen K. S.**

---

## **Editorial Review**

### **About the Author**

Author received his U.G. degree B.E. in E&C from MVJCE,Bangalore in 2008 & P.G. degree M.Sc in Signal Processing & Communication Technology from MSRSAS,Bangalore in 2011. He joined the Dept. of R&D at System Controls, Bangalore in 2011 as a Design Engineer. His research areas include Signal & Image Processing, Embedded Design, Digital Wireless Comm

## **Users Review**

### **From reader reviews:**

#### **James Kyles:**

Book is usually written, printed, or outlined for everything. You can understand everything you want by a guide. Book has a different type. To be sure that book is important point to bring us around the world. Adjacent to that you can your reading proficiency was fluently. A reserve Histogram Equalization & PCA based Face Recognition on MATLAB Platform: MATLAB based Histogram tech. & Face detection using Principle Component Analysis with detailed flow of Analysis & coding will make you to possibly be smarter. You can feel far more confidence if you can know about almost everything. But some of you think that will open or reading a new book make you bored. It isn't make you fun. Why they could be thought like that? Have you searching for best book or ideal book with you?

#### **Katherine Contreras:**

Do you certainly one of people who can't read gratifying if the sentence chained inside the straightway, hold on guys this aren't like that. This Histogram Equalization & PCA based Face Recognition on MATLAB Platform: MATLAB based Histogram tech. & Face detection using Principle Component Analysis with detailed flow of Analysis & coding book is readable by means of you who hate those straight word style. You will find the information here are arrange for enjoyable looking at experience without leaving actually decrease the knowledge that want to deliver to you. The writer associated with Histogram Equalization & PCA based Face Recognition on MATLAB Platform: MATLAB based Histogram tech. & Face detection using Principle Component Analysis with detailed flow of Analysis & coding content conveys the thought easily to understand by lots of people. The printed and e-book are not different in the information but it just different such as it. So , do you nevertheless thinking Histogram Equalization & PCA based Face Recognition on MATLAB Platform: MATLAB based Histogram tech. & Face detection using Principle Component Analysis with detailed flow of Analysis & coding is not loveable to be your top listing reading book?

#### **Judi Orta:**

Reading a reserve tends to be new life style in this particular era globalization. With studying you can get a

lot of information that can give you benefit in your life. Using book everyone in this world can certainly share their idea. Publications can also inspire a lot of people. Many author can inspire their particular reader with their story or even their experience. Not only situation that share in the ebooks. But also they write about the information about something that you need illustration. How to get the good score toefl, or how to teach your sons or daughters, there are many kinds of book which exist now. The authors on earth always try to improve their proficiency in writing, they also doing some investigation before they write to their book. One of them is this Histogram Equalization & PCA based Face Recognition on MATLAB Platform: MATLAB based Histogram tech. & Face detection using Principle Component Analysis with detailed flow of Analysis & coding.

### **Melody Herrera:**

Reading a book being new life style in this 12 months; every people loves to go through a book. When you read a book you can get a lots of benefit. When you read books, you can improve your knowledge, due to the fact book has a lot of information in it. The information that you will get depend on what kinds of book that you have read. If you would like get information about your analysis, you can read education books, but if you want to entertain yourself you can read a fiction books, these us novel, comics, in addition to soon. The Histogram Equalization & PCA based Face Recognition on MATLAB Platform: MATLAB based Histogram tech. & Face detection using Principle Component Analysis with detailed flow of Analysis & coding will give you new experience in examining a book.

**Download and Read Online Histogram Equalization & PCA based Face Recognition on MATLAB Platform: MATLAB based Histogram tech. & Face detection using Principle Component Analysis with detailed flow of Analysis & coding By Naveen K. S. #RDS3W6PJ2AL**

# **Read Histogram Equalization & PCA based Face Recognition on MATLAB Platform: MATLAB based Histogram tech. & Face detection using Principle Component Analysis with detailed flow of Analysis & coding By Naveen K. S. for online ebook**

Histogram Equalization & PCA based Face Recognition on MATLAB Platform: MATLAB based Histogram tech. & Face detection using Principle Component Analysis with detailed flow of Analysis & coding By Naveen K. S. Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Histogram Equalization & PCA based Face Recognition on MATLAB Platform: MATLAB based Histogram tech. & Face detection using Principle Component Analysis with detailed flow of Analysis & coding By Naveen K. S. books to read online.

## **Online Histogram Equalization & PCA based Face Recognition on MATLAB Platform: MATLAB based Histogram tech. & Face detection using Principle Component Analysis with detailed flow of Analysis & coding By Naveen K. S. ebook PDF download**

**Histogram Equalization & PCA based Face Recognition on MATLAB Platform: MATLAB based Histogram tech. & Face detection using Principle Component Analysis with detailed flow of Analysis & coding By Naveen K. S. Doc**

**Histogram Equalization & PCA based Face Recognition on MATLAB Platform: MATLAB based Histogram tech. & Face detection using Principle Component Analysis with detailed flow of Analysis & coding By Naveen K. S. Mobipocket**

**Histogram Equalization & PCA based Face Recognition on MATLAB Platform: MATLAB based Histogram tech. & Face detection using Principle Component Analysis with detailed flow of Analysis & coding By Naveen K. S. EPub**

**RDS3W6PJ2AL: Histogram Equalization & PCA based Face Recognition on MATLAB Platform: MATLAB based Histogram tech. & Face detection using Principle Component Analysis with detailed flow of Analysis & coding By Naveen K. S.**