Accepted Manuscript

Improved Principal Component Analysis and Linear regression classification for face recognition

Yani Zhu, Chaoyang Zhu, Xiaoxin Li

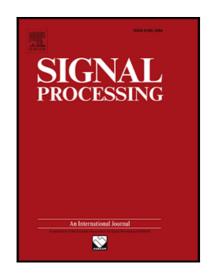
PII: S0165-1684(17)30413-9 DOI: 10.1016/j.sigpro.2017.11.018

Reference: SIGPRO 6669

To appear in: Signal Processing

Received date: 15 April 2017

Revised date: 24 November 2017 Accepted date: 25 November 2017



Please cite this article as: Yani Zhu, Chaoyang Zhu, Xiaoxin Li, Improved Principal Component Analysis and Linear regression classification for face recognition, *Signal Processing* (2017), doi: 10.1016/j.sigpro.2017.11.018

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Highlights

- IPCA is used to extract the useful information from the original face images through reducing the dimension of feature vectors to better recognize images.
- Linear regression classification (LRC) is employed to deal with the problem of face recognition as a linear regression problem.
- LRC uses the least-square method to decide the class with the minimum reconstruction error.



دريافت فورى ب

ISIArticles مرجع مقالات تخصصی ایران

- ✔ امكان دانلود نسخه تمام متن مقالات انگليسي
 - ✓ امكان دانلود نسخه ترجمه شده مقالات
 - ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
 - ✓ امكان دانلود رايگان ۲ صفحه اول هر مقاله
 - ✔ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
 - ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات