数学与系统科学研究院

计算数学所学术报告

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报告题目：

Face Recognition Based on Multi-resolution and Multi-direction Feature

邀请人： 戴彧虹 研究员

报告时间：2016 年 12 月 22 日（周四）

上午 **11:40-12:40**

报告地点： 数学院南楼七层

714 教室

Abstract：

Feature extraction provides an effective representation of face images to decrease the computational complexity of the classifier, which can greatly enhance the performance of a face recognition system. Wavelet transform and Gabor wavelet transform are two significant multi-resolution and multi-direction features. In this report, we investigate some face recognition methods based on their characteristics, which include face recognition based on pixel-level and feature-level fusion of the top-level's wavelet sub-bands, face recognition based on non-uniform patch via 2D-DWT, face recognition based on Gabor-scale binary pattern and face recognition based on Gabor-LBP-Like feature. Numerical experiments indicate that our methods are effective and robust.

欢迎大家参加！