

参考文献(References):

- [1] Yuan H, Wang Z H, Jiang W T. Face recognition method based on frequency cluster [J]. *Journal of Image and Graphics*, 2016, 21(9): 1166-1177. [袁姮, 王志宏, 姜文涛. 基于频率簇模型的人脸识别[J]. *中国图象图形学报*, 2016, 21(9): 1166-1177.][DOI: 10.11834/jip.20160906]
- [2] Zhu L, ZHU S A. Face recognition based on two-dimensional image principle component analysis [J]. *Journal of Zhejiang University(Engineering Science)*, 2007, 41(2): 264-267. [祝磊, 朱善安. 基于二维广义主成分分析的人脸识别[J]. *浙江大学学报工学版*, 2007, 41(2): 264-267.][DOI: 10.11834/jig.20160906]
- [3] Chang P P, Da F P, Mei J. Expression-robustness 3D Face Recognition Based on Facial Profiles [J]. *Journal of Image and Graphics*, 2015, 20(3): 332-339. [常朋朋, 达飞鹏, 梅俊. 对表情鲁棒的面部轮廓线 3 维人脸识别[J]. *中国图象图形学报*, 2015, 20(3): 332-339.][DOI: 10.3785/j.issn.1008-973X.2007.02.016]
- [4] WANG Y M, Pan G, WU C H. Summary of 3D face recognition research [J]. *Journal of Computer-Aided Design and Computer Graphics*, 2008, 20(7): 819-829. [王跃明, 潘纲, 吴朝晖. 三维人脸识别研究综述[J]. *计算机辅助设计与图形学学报*, 2008, 20(7): 819-829.][DOI: 10.3785/j.issn.1008-973X.2007.02.016]
- [5] Berretti S, Werghi N, Del B A, et al. Special Section on 3D Object Retrieval: Matching 3D face scans using interest points and local histogram descriptors [J]. *Computers & Graphics*, 2013, 37(5): 509-525. [DOI: 10.1016/j.cag.2013.04.001]
- [6] Alyuz N, Gokberk B, Akarun L. 3-D Face Recognition Under Occlusion Using Masked Projection [J]. *Information Forensics & Security IEEE Transactions on*, 2013, 8(5): 789-802. [DOI: 10.1109/TIFS.2013.2256130]
- [7] Colombo A, Cusano C, Schettini R. Gappy PCA Classification for Occlusion Tolerant 3D Face Detection [J]. *Journal of Mathematical Imaging and Vision*, 2009, 35(3): 193-207.
- [8] Drira H, Ben A B, Srivastava A, et al. 3D face recognition under expressions, occlusions and pose variations [J]. *IEEE Transactions on Pattern Analysis & Machine Intelligence*, 2013, 35(9): 2270-83. [DOI: 10.1109/TPAMI.2013.48]
- [9] Yu X, Gao Y, Zhou J. 3D face recognition under partial occlusions using radial strings[C]//*IEEE International Conference on Image Processing*. Phoenix, Arizona, USA: IEEE, 2016: 3016-3020. [DOI: 10.1109/ICIP.2016.7532913]
- [10] Visvalingam M, Whyatt J D. The Douglas-Peucker algorithm for line simplification: re-evaluation through visualization[C]//*Computer Graphics Forum*. Elsevier North-Holland: Wiley-Blackwell, 1990: 213-228.
- [11] Tsai W H, Yu S S. Attributed String Matching with Merging for Shape Recognition [J]. *IEEE Transactions on Pattern Analysis & Machine Intelligence*, 1985, PAMI-7(4): 453-462. [DOI: 10.1109/TPAMI.1985.4767684]
- [12] Guo M L, Da F P, Deng X. 3D face recognition based on keypoints and local feature [J]. *Journal of Zhejiang University(Engineering Science)*, 2017, 41(2): 584-589. [郭梦丽, 达飞鹏, 邓星. 基于关键点和局部特征的三维人脸识别[J]. *浙江大学学报工学版*, 2017, 51(3): 584-589.][DOI: 10.3785/j.issn.1008-973X.2017.03.021]
- [13] Tang L L, Gai S H, Da F P, et al. 3D Face recognition method based on the local binary pattern from vertical and horizontal on the mesh. [J]. *Chinese Journal of Scientific Instrument*, 2016, 37(6): 1413-1420. [汤兰兰, 盖绍彦, 达飞鹏, 等. 基于网格纵横局部二值模式的三维人脸识别[J]. *仪器仪表学报*, 2016, 37(6): 1413-1420.][DOI: 10.3969/j.issn.0254-3087.2016.06.027]
- [14] Pan G, Wang Y M, Wu Z H. Finding symmetry plane of 3d face shape[C]//*Proceedings of International Conference on Pattern Recognition*, Hong Kong, China: IEEE, 2006: 1143-1146. [DOI: 10.1109/ICPR.2006.565]
- [15] Li X L, Da F P. Efficient 3D face recognition handling facial expression and hair occlusion [J]. *Image and Vision Computing*, 2012: 668-679. [DOI: 10.1016/j.imavis.2012.07.011]
- [16] Faltemier T C, Bowyer K W, Flynn P J. A Region Ensemble for 3-D Face Recognition [J]. *IEEE Transactions on Information Forensics & Security*, 2008, 3(1): 62-73. [DOI: 10.1109/TIFS.2007.916287]

- [17] Tsai W H, Yu S S. Attributed String Matching with Merging for Shape Recognition [J]. IEEE Transactions on Pattern Analysis & Machine Intelligence, 1985, PAMI-7(4): 453-462. [DOI: 10.1109/TPAMI.1985.4767684]
- [18] Phillips P J, Flynn P J, Scruggs T, et al. Overview of the Face Recognition Grand Challenge[C]//IEEE Computer Society Conference on Computer Vision and Pattern Recognition. Los Alamitos, CA, USA: IEEE Computer Society, 2005: 947-954. [DOI: 10.1109/CVPR.2005.268]
- [19] Savran A, Akarun L. Bosphorus Database for 3D Face Analysis[C]//Biometrics and Identity Management. Berlin: Springer-Verlag, 2008: 47-56.
- [20] Colombo A, Cusano C, Schettini R. Detection and Restoration of Occlusions for 3D Face Recognition[C]//IEEE International Conference on Multimedia and Expo. Toronto, Ont, Canada: IEEE, 2006: 1541-1544. [DOI: 10.1109/ICME.2006.262837]