



















- [4] To H T, Sohn B. Bas-relief generation from face photograph based on facial feature enhancement[J]. *Multimedia Tools and Applications*, 2017, 76(8): 10407-10423. [DOI: 10.1007/s11042-016-3924-y]
- [5] Weyrich T, Deng J, Barnes C, et al. Digital bas-relief from 3D scenes[J]. *Acm Transactions on Graphics*, 2007, 26(3): 32.
- [6] Zayer R. Real-time Generation of Digital Bas-Reliefs[J]. *Blood*, 1983, 61(61): 889-893.
- [7] Kerber J, Wang M, Chang J, et al. Computer Assisted Relief Generation-A Survey[J]. *Computer Graphics Forum*, 2012, 31(8): 2363-2377. [DOI: 10.1111/j.1467-8659.2012.03185.x]
- [8] Liu Sheng-lan, Xu Xiao-yan, Li Bo, et al. An Algorithm for Generating Line-engraving Relief,2011,32(10): 2088-2091.[刘胜兰,徐小燕,李博,等. 一种刻线浮雕生成算法[J]. 小型微型计算机系统, 2011, 32(10): 2088-2091.]
- [9] Wang M, Kerber J, Chang J, et al. Relief stylization from 3D models using featured lines[C]//Spring Conference on Computer Graphics. ACM, 2011: 37-42. [DOI: 10.1145/2461217.2461226]
- [10] Zhang Y W, Zhou Y Q, Li X L, et al. Line-based sunken relief generation from a 3D mesh[J]. *Graphical Models*, 2013, 75(6): 297-304. [DOI: 10.1016/j.gmod.2013.07.002]
- [11] Wang M, Chang J, Kerber J, et al. A framework for digital sunken relief generation based on 3D geometric models[J]. *Visual Computer*, 2012, 28(11): 1127-1137. [DOI: 10.1007/s00371-011-0663-y]
- [12] Cignoni P, Montani C, Scopigno R. Computer-Assisted Generation of Bas-and High-Reliefs[J]. *Journal of Graphics Tools*, 1997, 2(3): 15-28.
- [13] Arpa S, Süstrunk S, Hersch R. High Relief from 3D Scenes[C]// Computer Graphics Forum (Eurographics, Zurich). New Jersey: Wiley-Blackwell, 2015, 34. [DOI: 10.1111/cgf.12557]
- [14] Wang M, Yu S, Zhang H, et al. Digital Relief Generation from 3D Models[J]. *Chinese Journal of Mechanical Engineering*, 2016, 29(6): 1128-1133. [DOI: 10.3901/CJME.2016.0720.084]
- [15] Belhumeur P N, Kriegman D J, Yuille A L. The Bas-Relief Ambiguity[J]. *International Journal of Computer Vision*, 1999, 35(1): 33-44.
- [16] Song W, Belyaev A, Seidel H P. Automatic generation of bas-reliefs from 3D shapes[C]//IEEE International Conference on Shape Modeling and Applications.IEEE Computer Society, 2007: 211-214. [DOI: 10.1109/SMI.2007.9]
- [17] Lee C H, Varshney A, Jacobs D W. Mesh saliency[J]. *Acm Transactions on Graphics*, 2005, 24(3) : 659-666. [DOI : 10.1145/1073204.1073244]
- [18] Kerber J, Belyaev A, Seidel H P, et al. Feature preserving depth compression of range images[C]// Spring Conference on Computer Graphics. ACM, 2007: 101-105.][DOI: [10.3969/j.issn.1003-9775.2015.07.004](https://doi.org/10.3969/j.issn.1003-9775.2015.07.004)]
- [19] Kerber J, Tevs A, Belyaev A, et al. Feature sensitive bas relief generation[C]// IEEE International Conference on Shape Modeling and Applications. IEEE, 2009 : 148-154. [DOI : 10.1109/SMI.2009.5170176]
- [20] Zhao P, Bian Z. The bas-relief on curved surface from 3D meshes[J]. *Journal of Computer-Aided Design and Computer Graphics*, 2010, 22(7): 1126-1131.[赵鹏, 边哲. 曲面浅浮雕生成算法[J]. 计算机辅助设计与图形学学报, 2010, 22(7): 1126-1131.]
- [21] Bian Z, Hu S M. Preserving detailed features in digital bas-relief making[J]. *Computer Aided Geometric Design*, 2011, 28(4): 245-256. [DOI: 10.1016/j.cagd.2011.03.003]
- [22] Bian Z, Zhai Z Y. Feature recovery for bas-relief based on integral invariant[J]. *China Sciencepaper*, 2013, 8(1): 35-40.[边哲, 翟自勇. 基于积分不变量的浅浮雕特征恢复算法[J]. 中国科技论文, 2013, 8(1): 35-40.][DOI: [10.3969/j.issn.2095-2783.2013.01.009](https://doi.org/10.3969/j.issn.2095-2783.2013.01.009)]
- [23] Li B, Liu S L, Zhang L Y, et al. Bas-relief generation algorithm based on laplace operator decomposition of 3D model[J]. *Computer Integrated Manufacturing Systems*, 2011, 17(5) : 946-951.[李博, 刘胜兰, 张丽艳, 等. 基于三维模型拉普拉斯分解的浮雕生成算法[J]. 计算机集成制造系统, 2011, 17(5): 946-951.]
- [24] Li B, Liu S Y, Zhang L Y. Bas-relief generation using manifold harmonics analysis[J]. *Journal of Computer-Aided Design & Computer Graphics*, 2012, 24(2): 252-261.[李博, 刘胜兰, 张丽艳. 基于流形调和变换的浅浮雕生成算法[J]. 计算机辅助设计与图形学学报, 2012, 24(2): 252-261.][DOI : 10.3969/j.issn.1003-9775.2012.02.019]
- [25] Sun X, Rosin P L, Martin R R, et al. Bas-relief generation using adaptive histogram equalization[J]. *IEEE Transactions on Visualization & Computer Graphics*, 2009, 15(4): 642-653. [DOI: 10.1109/TVCG.2009.21]
- [26] Zhang Y W, Zhou Y Q, Zhao X F, et al. Real-time bas-relief generation from a 3D mesh[J]. *Graphical Models*, 2013, 75(1): 2-9. [DOI: 10.1016/j.gmod.2012.10.003]
- [27] Wang M, Guo S, Zhang H, et al. Saliency-based relief generation[J]. *Iete Technical Review*, 2013, 30(6): 454-480. [DOI: 10.4103/0256-4602.125659]
- [28] Zhang Y W, Zhou Y Q, Li X L, et al. Bas-Relief Generation and Shape Editing through Gradient-Based Mesh Deformation.[J]. *IEEE Transactions on Visualization & Computer Graphics*, 2015, 21(3): 328-338. [DOI: 10.1109/TVCG.2014.2377773]
- [29] Zhang Y W, Zhang C, Wang W, et al. Adaptive bas-relief generation from 3D object under illumination[J]. *Computer Graphics Forum*, 2016, 35(7): 311-321. [DOI: 10.1109/TVCG.2014.2377773]
- [30] Liu S Y, Tang Z X, Li B, et al. Relief pasting algorithm based on normal vector adjustment[J]. *Journal of Computer Applications*, 2011, 31(1): 33-36.[刘胜兰, 汤正翔, 李博, 等. 基于法矢调整的浮雕曲面粘贴算法 [J]. 计算机应用, 2011, 31(1): 33-36.]

- 33-36.][DOI: 10.3724/SP.J.1087.2011.00033]
- [31] Li B, Liu S L, Zhang L Y. Detail-preserving bas-relief on surface from 3D scene[J]. Journal of Computer-Aided Design & Computer Graphics, 2012, 24(6): 799-807.[李博, 刘胜兰, 张丽艳. 细节保持的曲面浅浮雕算法[J]. 计算机辅助设计与图形学学报, 2012, 24(6): 799-807.][DOI: 10.3969/j.issn.100-9775.2012.06.014]
- [32] Liu Y J, Ji Z P, Liu Z, et al. Stylized Design of Bas-relief Based on Normal Field[J]. Journal of Computer-Aided Design & Computer Graphics, 2016, 28(12): 2120-2127.[刘玉洁, 计忠平, 刘真, 等. 基于法向域的浅浮雕风格化设计[J]. 计算机辅助设计与图形学学报, 2016, 28(12): 2120-2127.][DOI: 10.3969/j.issn.1003-9775.2016.12.011]
- [33] Zhou S, Liu L. Realtime digital bas-relief modeling[J]. Journal of Computer-Aided Design & Computer Graphics, 2010, 22(3): 434-439.[周世哲, 刘利刚. 实时数字浮雕建模[J]. 计算机辅助设计与图形学学报, 2010, 22(3): 434-439.]
- [34] Ji Z, Sun X, Li S, et al. Real-time bas-relief generation from depth-and-normal maps on GPU[J]. Computer Graphics Forum, 2014, 33(5): 75-83. [DOI: 10.1111/cgf.12433]
- [35] Sohn B S. Ubiquitous creation of digital bas-reliefs using smartphone[C]// Eighth International Conference on Ubiquitous and Future Networks. IEEE, 2016 : 748-750. [DOI : 10.1109/ICUFN.2016.7537138]
- [36] Kolomenkin M, Leifman G, Shimshoni I, et al. Reconstruction of relief objects from line drawings[J]. Journal on Computing & Cultural Heritage. 2013, 6(1): 1-19. [DOI: 10.1109/CVPR.2011.5995643]
- [37] Sahillioğlu Y, Kavan L. Detail-preserving mesh unfolding for nonrigid shape retrieval[J]. Acm Transactions on Graphics, 2016, 35(3): 1-11. [DOI: 10.1145/2893477]
- [38] Schüller C, Panozzo D, Sorkine H O, et al. Appearance-mimicking surfaces[J]. Acm Transactions on Graphics, 2014, 33(6): 1-10. [DOI: 10.1145/2661229.2661267]
- [39] Hu J Q, He S, Lv L. Placement optimization for generating bas-reliefs based on visual saliency[J]. Journal of Computer-Aided Design & Computer Graphics, 2016, 28(12): 2128-2133.[扈婧乔, 何莎, 吕琳. 考虑视觉显著性的模型浅浮雕位置优化算法[J]. 计算机辅助设计与图形学学报, 2016, 28(12) : 2128-2133.][DOI: 10.3969/j.issn.1003-9775.2016.12.012]
- [40] Wolf W. Narrative and narrativity: A narratological reconceptualization and its applicability to the visual arts[J]. Word & Image, 2003, 19(3): 180-197.
- [41] Scopigno R, Cignoni P, Pietroni N, et al. Digital fabrication techniques for cultural heritage: a survey[J]. Computer Graphics Forum, 2015, 36(1): 6-21. [DOI: 10.1111/cgf.12781]
- [42] Hong X J, Peng S J, Liu X. Key-frame extraction of motion capture data via laplacian score based feature selection[J]. Computer Engineering & Science,2015,37(2): 365-371.[洪小娇, 彭淑娟, 柳欣. 基于拉普拉斯分值特征选择的运动捕获数据关键帧提取[J]. 计算机工程与科学, 2015, 37(2) : 365-371.][DOI : 10.3969/j.issn.1007-130X.2015.02.027]
- [43] Han H L, Li J, Fei G Z. A hybrid measure of viewpoint scoring using visual perception and information entropy[J]. Journal of Computer-Aided Design & Computer Graphics, 2014, 26(6): 939-947.[韩红雷, 李静, 费广正. 结合视觉感知与信息量的视点评分方法[J]. 计算机辅助设计与图形学学报, 2014, 26(6): 939-947.]
- [44] Han H L, Wang W C, Hua M. Getting upright Orientation of 3D objects via viewpoint scoring[J]. Journal of Software, 2015, 26(10): 2720-2732.[韩红雷, 王文成, 华淼. 基于视点评分的三维模型摆正[J]. 软件学报, 2015, 26(10): 2720-2732.][DOI: 10.13328/ j.cnki.jos.004742]
- [45] Lienhard S, Specht M, Neubert B, et al. Thumbnail galleries for procedural models[J]. Computer Graphics Forum, 2014, 33(2): 361-370. [DOI: 10.1111/cgf.12317]
- [46] Wang M L, Guo S H, Liao M, et al. Pose selection for animated scenes and a case study of bas-relief generation[C]// Computer Graphics International Conference. ACM, 2017: 31. [DOI: 10.1145/3095140.3095171]
- [47] Wang M L, Guo S H, Liao M, et al. Action snapshot with single pose and viewpoint. The Visual Computer,2018. [DOI : <https://doi.org/10.1007/s00371-018-1479-9>]