# 致谢

# 参考文献

[1] Itti, L.; Koch, C.; Niebur, E., "A model of saliency-based visual attention for rapid scene analysis," in Pattern Analysis and Machine Intelligence, IEEE Transactions on , vol.20, no.11, pp.1254-1259, Nov 1998

[2] Scholkopf;lkopf, B.; Platt, J.; Hofmann, T., "Graph-Based Visual Saliency," in Advances in Neural Information Processing Systems 19:Proceedings of the 2006 Conference , 1, MIT Press, 2007, pp.545-552

[3] Chen Xia; Pengjin Wang; Fei Qi; Guangming Shi, "Nonlocal center-surround reconstruction-based bottom-up saliency estimation," in Image Processing (ICIP), 2013 20th IEEE International Conference on , vol., no., pp.206-210, 15-18 Sept. 2013

[4] Chen Xia; Fei Qi; Guangming Shi, "Bottom-up Visual Saliency Estimation with Deep Autoencoder-based Sparse Reconstruction," IEEE Trans. Neural Netw. Learn. Syst., accepted (December 20, 2015)

[5] Tie Liu; Jian Sun; Nan-Ning Zheng; Xiaoou Tang; Heung-Yeung Shum, "Learning to Detect A Salient Object," in Computer Vision and Pattern Recognition, 2007. CVPR '07. IEEE Conference on, vol., no., pp.1-8, 17-22 June 2007

[6] Congyan Lang; Guangcan Liu; Jian Yu; Shuicheng Yan, "Saliency Detection by Multitask Sparsity Pursuit," in Image Processing, IEEE Transactions on , vol.21, no.3, pp.1327-1338, March 2012

[8] Han J, Ngan K, Li M, et al. Unsupervised extraction of visual attention objects in color

images[J]. Circuits and Systems for Video Technology, 2006, 16(1) :141　145.

[6] Nowak E, Jurie F, Triggs B. Sampling strategies for bag-of-features image classification

[C]//Proceedings of the 9th European Conference on Computer Vision, Graz: Springer Verlag,

2006:490-503.

【9】B. Alexe, T. Deselaers, and V. Ferrari. Measuring the objectness of image windows. PAMI, 2012

【10】特征融合与 objectness 加强的显著目标检测

【12】[A Model of saliency Based Visual Attention for Rapid Scene Analysis](http://blog.csdn.net/chenjiazhou12/article/details/39456589)

【13】Training products of Experts by Minimizing Contrastive Divergence

【14】Selective Search for Object Recoginition

【15】What is an object ?

【16】X. Hou and L. Zhang. Saliency detection: A spectral residual approach. In CVPR, 2007

【17】T. Liu, J. Sun, N. Zheng, X. Tang, and H. Shum. Learning to detect

a salient object. In CVPR, 2007.

【18】P. F. Felzenszwalb and D. P. Huttenlocher. Efficient graph-based image segmentation. IJCV, 59(2):167–181, Sep 2004.

【19】B. C. Russell, A. A. Efros, J. Sivic, W. T. Freeman, and A. Zisserman.

Using multiple segmentations to discover objects and their extent in

image collections. In CVPR, 2006

【20】N. D. B. Bruce and J. K. Tsotsos, “Saliency based on information

maximization,” in Proc. Annu. Conf. Neural Inf. Process. Syst., Montreal,QC, Canada, Dec. 2005, pp. 155–162

【21】T. Judd, K. Ehinger, F. Durand, and A. Torralba, “Learning to predict where humans look,” in Proc. 12th IEEE Int. Conf. Comput. Vis., Kyoto, Japan, Sep. 2009, pp. 2106–2113

【1-3】L. Itti, C. Koch, and E. Niebur, “A model of saliency-based visual

attention for rapid scene analysis,” IEEE Trans. Pattern Anal. Mach.

Intell., vol. 20, no. 11, pp. 1254–1259, Nov. 1998

【1-16】J. Wu, F. Qi, G. Shi, and Y. Lu, “Non-local spatial redundancy reduction for bottom-up saliency estimation,” J. Vis. Commun. Image Represent., vol. 23, no. 7, pp. 1158–1166, Oct. 2012

【1-18】A. Borji and L. Itti, “Exploiting local and global patch rarities for saliency detection,” in Proc. 25th IEEE Conf. Comput. Vis. Pattern Recognit., Providence, RI, USA, Jun. 2012, pp. 478–485.

【1-14】D. A. Klein and S. Frintrop, “Center-surround divergence of feature statistics for salient object detection,” in Proc. 13th IEEE Int. Conf. Comput. Vis., Barcelona, Spain, Nov. 2011, pp. 2214–2219

【1-32】H. J. Seo and P. Milanfar, “Static and space-time visual saliency detection by self-resemblance,” J. Vis., vol. 9, no. 12, pp. 1–27,2009

【2-2】R.Achana, frequency-tuned salient region detection

[2-6] Congyan Lang; Guangcan Liu; Jian Yu; Shuicheng Yan, "Saliency Detection by Multitask Sparsity Pursuit," in Image Processing, IEEE Transactions on , vol.21, no.3, pp.1327-1338, March 2012

【2-3】SUN: Top-down saliency using natural statistics

【73】J. Harel, C. Koch, and P. Perona, “Graph-based visual saliency,” in Proc. Adv. Neural Inf. Process. Syst., Vancouver, BC, Canada, Dec. 2006, pp. 545–552.

【74】J. Wu, F. Qi, G. Shi, and Y. Lu, “Non-local spatial redundancy reduction for bottom-up saliency estimation,” J. Vis. Commun. Image Represent.,vol. 23, no. 7, pp. 1158–1166, Oct. 2012

【75】E. Erdem and A. Erdem, “Visual saliency estimation by nonlinearly integrating features using region covariances,” J. Vis., vol. 13, no. 4, pp. 1–20, Mar. 2013.

【76】Z. Ren, S. Gao, L.-T. Chia, and D. Rajan, “Regularized feature reconstruction for spatio-temporal saliency detection,” IEEE Trans. Image Process., vol. 22, no. 8, pp. 3120–3132, Aug. 2013

【77】C. Shen and Q. Zhao, “Learning to predict eye fixations for semantic contents using multi-layer sparse network,” Neurocomputing, vol. 138, pp. 61–68, Aug. 2014.

【78】C. Xia, P. Wang, F. Qi, and G. Shi, “Nonlocal center-surround reconstruction-based bottom-up saliency estimation,” in Proc. 20th IEEE Int. Conf. Image Process., Melbourne, VIC, Australia, Sep. 2013,pp. 206–210.