

DAFTAR PUSTAKA

- Alhlftee, M. et al. (2022). 2d facial landmark localization method for multi-view face synthesis image using a two-pathway generative adversarial network approach. *PeerJ Computer Science*.
- Alhlftee, M. H. B. and Huang, Y.-S. (2025). A novel face frontalization method by seamlessly integrating landmark detection and decision forest into generative adversarial network (gan). *Mathematics*, 13(3):499.
- Arjovsky, M., Chintala, S., and Bottou, L. (2017). Wasserstein generative adversarial networks. In *Proceedings of the 34th International Conference on Machine Learning*, volume 70 of *Proceedings of Machine Learning Research*, pages 214–223. PMLR.
- Asthana, A., Marks, T., Jones, M., et al. (2011). Fully automatic pose-invariant face recognition via 3d pose normalization. In *International Conference on Computer Vision*. IEEE.
- Chang, T.-Y. and Lu, C.-J. (2020). Tinygan: Distilling biggan for conditional image generation. In *Proceedings of the Asian Conference on Computer Vision (ACCV)*, pages 723–738. Springer.
- Chen, W.-C., Chang, C.-C., Lu, C.-Y., and Lee, C.-R. (2018a). Knowledge distillation with feature maps for image classification. In *Proceedings of the 13th Asian Conference on Computer Vision (ACCV)*, pages 170–185. Springer.
- Chen, Z., Badrinarayanan, V., Lee, C.-Y., and Rabinovich, A. (2018b). Gradnorm: Gradient normalization for adaptive loss balancing in deep multitask networks. In *Proceedings of the 35th International Conference on Machine Learning (ICML)*, pages 794–803.
- Deng, J., Guo, J., Yang, J., Xue, N., Kotsia, I., and Zafeiriou, S. (2021). Arcface: Additive angular margin loss for deep face recognition. *IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)*, 44(12):8345–8361.
- Finn, C., Abbeel, P., and Levine, S. (2017). Model-agnostic meta-learning for fast adaptation of deep networks. In *Proceedings of the 34th International Conference on Machine Learning (ICML)*, volume 70, pages 1126–1135. PMLR.

- Gonzalez, R. C. and Woods, R. E. (2008). *Digital Image Processing*. Pearson, 3rd edition.
- Goodfellow, I. J., Pouget-Abadie, J., Mirza, M., Xu, B., Warde-Farley, D., Ozair, S., Courville, A., and Bengio, Y. (2014). Generative adversarial nets. *Communications of the ACM*, 63(11):139–144.
- Gross, R., Matthews, I., Cohn, J. F., Kanade, T., and Baker, S. (2010). Multi-pie. *Image and Vision Computing*, 28(5):807–813.
- Hassner, T., Harel, S., Paz, E., et al. (2014). Effective face frontalization in unconstrained images. *IEEE*.
- Hinton, G., Vinyals, O., and Dean, J. (2015). Distilling the knowledge in a neural network. *arXiv preprint arXiv:1503.02531*.
- Huang, R., Zhang, S., Li, T., and He, R. (2017). Beyond face rotation: Global and local perception gan for photorealistic and identity preserving frontal view synthesis. In *Proceedings of the IEEE International Conference on Computer Vision (ICCV)*.
- Ikne, O., Allaert, B., Bilasco, I., and Wannous, H. (2024). emotion-gan: A motion-based gan for photorealistic and facial expression preserving frontal view synthesis. *arXiv preprint arXiv:2404.09940*.
- Kendall, A., Gal, Y., and Cipolla, R. (2018). Multi-task learning using uncertainty to weigh losses for scene geometry and semantics. In *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, pages 7482–7491.
- Moslemi, A., Briskina, A., Dang, Z., and Li, J. (2024). A survey on knowledge distillation: Recent advancements. *Machine Learning with Applications*, 18:100605.
- Pan, H., Wang, C., Qiu, M., Zhang, Y., Li, Y., and Huang, J. (2021). Meta-kd: a meta knowledge distillation framework for language model compression across domains. In *Proceedings of the 59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing (Volume 1: Long Papers)*, pages 3026–3036.
- Ren, M., Zeng, W., Yang, B., and Urtasun, R. (2018). Learning to reweight examples for robust deep learning. In *Proceedings of the 35th International Conference on*

- Machine Learning (ICML)*, volume 80 of *Proceedings of Machine Learning Research*, pages 4334–4343. PMLR.
- Russakovsky, O., Deng, J., Su, H., Krause, J., Satheesh, S., Ma, S., Huang, Z., Karpathy, A., Khosla, A., Bernstein, M., Berg, A. C., and Fei-Fei, L. (2015). Imagenet large scale visual recognition challenge. *International Journal of Computer Vision*, 115(3):211–252.
- Shu, J., Xie, Q., Yi, L., Zhao, Q., Xu, Z., and Meng, D. (2019). Meta-weight-net: Learning an explicit mapping for sample weighting. In *Advances in Neural Information Processing Systems (NeurIPS)*, pages 1919–1930. Curran Associates, Inc.
- Tran, L., Yin, X., and Liu, X. (2017). Disentangled representation learning gan for pose-invariant face recognition. In *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, pages 1415–1424.
- Wang, L., He, Z., Shen, M., Yang, J., and Chen, Q. (2024). Magic: Meta-ability guided interactive chain-of-distillation for effective-and-efficient vision-and-language navigation. *arXiv preprint arXiv:2406.17960*.
- Wang, L. and Yoon, K.-J. (2021). Knowledge distillation and student–teacher learning for visual intelligence: A review and new outlooks. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 44(6):3194–3216.
- Wang, T., Zhou, W., Zeng, Y., and Zhang, X. (2023). Efficientvlm: Fast and accurate vision-language models via knowledge distillation and modal-adaptive pruning. *Findings of the Association for Computational Linguistics: ACL 2023*, 1:1234–1245.
- Wang, Z., Bovik, A. C., Sheikh, H. R., and Simoncelli, E. P. (2004). Image quality assessment: from error visibility to structural similarity. *IEEE transactions on image processing*, 13(4):600–612.
- Xia, W., Zhang, Y., Yang, Y., Xue, J., Zhou, B., and Yang, M. (2021). Gan inversion: A survey. *arXiv preprint arXiv:2101.05278*.
- Yin, X., Yu, X., Sohn, K., Liu, X., and Chandraker, M. (2017). Towards large-pose face frontalization in the wild. In *Proceedings of the IEEE International Conference on Computer Vision (ICCV)*.

- Yin, Y., Jiang, S., Robinson, J. P., and Qiao, Y. (2020). Dual-attention gan for large-pose face frontalization. In *Proceedings of the 15th IEEE International Conference on Automatic Face and Gesture Recognition (FG)*, pages 1–8. IEEE.
- Yin, Y., Robinson, J., Jiang, S., Bai, Y., Qin, C., and Fu, Y. (2021). Superfront: From low-resolution to high-resolution frontal face synthesis. In *Proceedings of the 29th ACM International Conference on Multimedia (ACM MM)*.
- You, J., Li, S., Sun, Y., Wei, J., Guo, M., Feng, C., and Ran, J. (2025). Lvface: Progressive cluster optimization for large vision models in face recognition. *arXiv preprint arXiv:2501.13420*.
- Zhou, W., Xu, C., and McAuley, J. (2021). Bert learns to teach: Knowledge distillation with meta learning. *arXiv preprint arXiv:2106.04570*.
- Zhu, H., Chen, Z., and Liu, S. (2023). Learning knowledge representation with meta knowledge distillation for single image super-resolution. *Journal of Visual Communication and Image Representation*, 95:103874.