

Reading List

1. Goodman, J. W. Introduction to Fourier optics (Roberts and Company publishers, 2005).
2. Matsushima, K. & Shimobaba, T. Band-limited angular spectrum method for numerical simulation of free-space propagation in far and near fields. *Optics express* 17, 19662–19673 (2009) <https://doi.org/10.1364/OE.17.019662>
3. Wetzstein, G., Ozcan, A., Gigan, S. *et al.* Inference in artificial intelligence with deep optics and photonics. *Nature* 588, 39–47 (2020) <https://doi.org/10.1038/s41586-020-2973-6>
4. Xing Lin et al. ,All-optical machine learning using diffractive deep neural networks. *Science* 361,1004-1008(2018). <https://www.science.org/doi/10.1126/science.aat8084>
5. Tseng, E. et al. Neural nano-optics for high-quality thin lens imaging. *Nature communications* 12, 6493 (2021). <https://doi.org/10.1038/s41467-021-26443-0>
6. Mohammadreza Khorasaninejad et al. , Metalenses at visible wavelengths: Diffraction-limited focusing and subwavelength resolution imaging. *Science* 352,1190-1194(2016). <https://www.science.org/doi/10.1126/science.aaf6644>
7. Gamaleldin F. Elsayed, Prajit Ramachandran, Jonathon Shlens, Simon Kornblith, Revisiting Spatial Invariance with Low-Rank Local Connectivity, arXiv:2002.02959 <https://arxiv.org/abs/2002.02959>
8. Ding et al., Scaling Up Your Kernels to 31x31: Revisiting Large Kernel Design in CNNs, arXiv:2203.06717, <https://arxiv.org/abs/2203.06717>