PAPER LIST

Oct 19: Training Deep Neural Networks

Exploring Landscapes for Better Minima along Valleys
Tong Zhao, Jiacheng Li, Yuanchang Zhou, Guangming Tan, Weile Jia. NeurIPS 2025.
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Oct 26: Convolutional Neural Networks

ShiftwiseConv: Small Convolutional Kernel with Large Kernel Effect
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Nov 2: Understanding and Visualizing CNNs

DiffCAM: Data-Driven Saliency Maps by Capturing Feature Differences
Xingjian Li, Qiming Zhao, Neelesh Bisht, Mostofa Rafid Uddin, Jin Yu Kim, Bryan Zhang, Min Xu. CVPR 2025.

Nov 16: Recurrent Neural Networks and Transformers

Partial Ring Scan: Revisiting Scan Order in Vision State Space Models
Yi-Kuan Hsieh, Kuan-Chuan Peng, Xin li, Ming-Ching Chang, Yu-Chee Tseng, Jun-Wei Hsieh. ICML 2026.

Affine-Scaled Attention: Towards Flexible and Stable Transformer Attention
Jeongin Bae, Baeseong Park, Gunho Park, Minsub Kim, Joonhyung Lee, Junhee Yoo, Sunghyeon Woo, Jiwon Ryu, Se Jung Kwon, Dongsoo Lee. ICML 2026.

Dec 7: Deep Generative Models

NFIG: Multi-Scale Autoregressive Image Generation via Frequency Ordering
Zhihao Huang, Xi Qiu, Yukuo Ma, Yifu Zhou, Junjie Chen, Hongyuan Zhang, Chi Zhang, Xuelong Li. NeurIPS 2025.
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DPAR: Dynamic Patchification for Efficient Autoregressive Visual Generation
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Dec 14: Deep Generative Models

Scalable GANs with Transformers
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Guiding Token-Sparse Diffusion Models
Felix Krause, Stefan Andreas Baumann, Johannes Schusterbauer, Olga Grebenkova, Ming Gui, Vincent Tao Hu, Björn Ommer. CVPR 2026
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