Linzhan Mou

College of Control Science and Engineering

Zhejiang University

Zheda Road 38, Hangzhou, Zhejiang Province

(+86) · 13336778191

moulz@zju.edu.cn

[Homepage][Github]

EDUCATION

Zhejiang University   Sept. 2020—June 2024 (expected)

B.Eng. in Control Science and Engineering

- GPA: 3.99/4.00, 91.5/100
- Minor in Advanced Honor Class of Engineering Education, Chu Kochen Honors College (40/6000)

PUBLICATIONS

Relightable Neural Avatars from Multi-view Videos

Linzhan Mou, other anonymous authors

Submit to SIGGRAPH 2023, under review

Painting 3D Nature in 2D: View Synthesis of Natural Scenes from a Single Semantic Mask

Shangzhan Zhang, Sida Peng, Tianrun Chen, **Linzhan Mou**, Haotong Lin, Kaicheng Yu, Yiyi Liao, Xiaowei Zhou

arXiv preprint arxiv:2302.07224

REASEARCH EXPERIENCES

State Key Laboratory of CAD&CG, Zhejiang University

Research Intern, advised by Prof. Xiaowei Zhou   2022—Present

- View synthesis of natural scenes from a single semantic mask combining with neural field and image inpainting.
- Relightable neural avatars from multi-view videos with Sphere-Tracing and Soft-Shadow algorithm.
- Represention of dynamic scenes with fast training speed and competitive rendering qualities by using a novel dynamic codebook and tensor decomposition technique.

Advanced Perception on Robotics and Intelligent Learning Lab, Zhejiang University

Research Intern, advised by Prof. Yong Liu   2022—Present

- Unified framework for high-fidelity face reenactment and swapping with Self-Attenion echanism and flow algorithm.
- Face anonymization by bidirectional encryption algorithm in images and videos.

SELECTED AWARDS AND HONORS

- National Scholarship.   2021
- Zhejiang University First-class Scholarship.   2021
- Chinese Mathematical Olympiad —— National First Prize.   2021
- Provincial Government Scholarship.   2022
- Supcon Technology Group Scholarship.   2022
- Undergraduate Mathematical Contest in Modeling —— National First Prize.   2022
- International Genetically Engineered Machine Competition —— International Gold Prize.   2022
- Supcon Robot Competition —— First Prize.   2022

SKILLS

Programming Languages (frequently used): C, C++, Python, Matlab

Python Libraries: NumPy, PyTorch, Open3D, OpenCV

Tools: COLMAP, ROS