Kenji Tojo

Tokyo, Japan, knjtojo@g.ecc.u-tokyo.ac.jp

LINKS

Personal website

EDUCATION

Apr 2021 — Present

Master of Creative Informatics, The University of Tokyo

Tokyo, Japan

Adviser: Nobuyuki Umetani

Apr 2017 — Mar 2021

Bachelor of Information Science, The University of Tokyo

Tokyo, Japan

Bachelor's thesis adviser: Takeo Igarashi

EXPERIENCES

Feb 2021 — Mar 2021

Research Assistant - The University of Tokyo

Tokyo, Japan

Adviser: Takeo Igarashi. I developed a 3D modeling interface and visualization methods for an interactive aerodynamics simulator.

PUBLICATIONS

Peer-Reviewed Conference & Journal Papers

1. **Kenji Tojo** and Nobuyuki Umetani. Recolorable Posterization of Volumetric Radiance Fields Using Visibility-Weighted Palette Extraction. *Computer Graphics Forum* 41, 4 (July 2022), 149-160. Presented at *Eurographics Symposium on Rendering 2022*.
2. **Kenji Tojo**, Yifei Chen, and Nobuyuki Umetani. Neural Motion Compression with Frequency-adaptive Fourier Feature Network. *Eurographics 2022 - Short Papers.*

AWARDS

Apr 2023 — Mar 2026

Japan Society for the Promotion of Science (JSPS) Research Fellow (DC1)

TALKS

Conference Presentations

- Recolorable Posterization of Volumetric Radiance Fields Using Visibility-Weighted Palette Extraction.
  - *Eurographics Symposium on Rendering 2022* (July 6th, 2022)
  - 20 min. (including Q&A)
- Neural Motion Compression with Frequency-adaptive Fourier Feature Network.
  - *Eurographics 2022* (April 27th, 2022)
  - 15 min.

Invited Talks (in Japan)

- Recolorable Posterization of Volumetric Radiance Fields Using Visibility-Weighted Palette Extraction.
  - *VC/VCC* (October 7th, 2022)
  - 12 min. (including Q&A)

COURSEWORK

Math: Calculus, Linear Algebra, Differentiable Equations, Statistics, Optimization, Stochastic Processes, Discrete Mathematics, Logic, etc.

CS: Computer Graphics, Physics-based Animation, Image/Video Coding, Machine Learning, User Interface, Remote Sensing, Compilers, Complexity Theory, etc.

TECHNICAL SKILLS

Programming: C++, OpenGL, Eigen, CUDA, Python, Pytorch, Pybind11 etc.

Creative: Adobe Illustrator, Blender, etc.

TEST SCORES

TOEFL iBT: 105 (October 15, 2022)