

ICCAS 2022 Poster [P-2]

Visual-Inertial Odometry Priors for Bundle-Adjusting Neural Radiance Fields Sookmyung Women's University



- In nonlinear optimization, using the initial pose as Identity may result in being trapped in local minima and degrading view synthesis quality.
- Apply a good initial guess from the Visual-Inertial Odometry algorithm to the optimization process.
- Better and Faster Novel View Synthesis
- More stable Pose Estimation

Pipeline



- Faster and Higher Accuracy in View Synthesis
- More Reliable Motion Estimates