









Tracking Performance

Visual Feedback Attitude Synchronization

- Simulation
- Conclusion and Future Works

**Conclusion and Future Work** 

## Conclusions

0.

 $(i)^{0}$ 

0.2 ||x<sup>e</sup>|| (J=2) 0.1

8

Ψ

2-norm of  $x_e$ 

 $||x_{e}||_{2}$ 

• Proposal of Visual Robotic Network

15 Time [s]

15 20 Time [s]

Synchronization !

(ii)<sup>0</sup>

6 0.2

 $||x_{e}||_{2}$ 

- Proposal of vision-based attitude synchronization law
- Proof of visual feedback attitude synchronization
- Analysis of tracking performance
- Simulation and experiment for verification

## Future Works

- Bidirectional visibility (too difficult: local report)
- Tracking performance analysis of visual feedback pose synchronization
- Panoramic camera model
- Rigid bodies with actuators (dynamics)

Tokyo Institute of Technology

Better Tracking !

15 Time [s]

Fujita Laboratory 29