VR Controlling

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System Brief

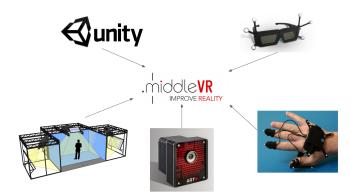
Perception

- Visual
- Touching

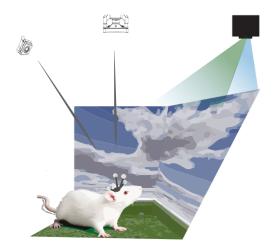
Controlling

- Spatial
- Perceptions

System Brief



Interaction and Feedback



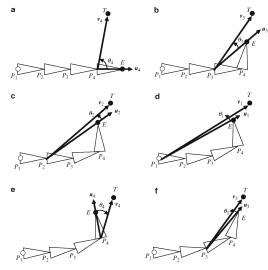
System



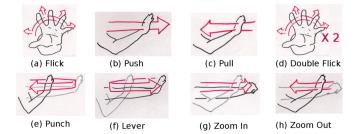
System



Kinematics



Gesture Encoding



Gesture Encoding

Gestures are limited?

- Gesture Encoding
- Gesture Combinations
- Automated Adjustment through Reinforcement Learning

A Step Forward

Problems

- Precision might not make it easy to use
- Data latency
- Collisions
- Behavioral actions(human)

A Step Forward

- Machine Learning
- More peripherals
- Gesture recognition methods(Appearance-based models)

References

Thanks