

Master's Thesis

A novel energy adaptation scheme for block-based haptic coding in time-delayed teleoperation systems

In this work, you need to address the following tasks:

1. improve the block haptic coding scheme by considering delay sensitivities of block lengths.
2. improve the energy bank scheme for TDPAs by considering human perception threshold.
3. combining 1 and 2 and raise your own idea for intra-block energy adaptation method to improve system performance and human percpetion quality

Advisors

Xiao Xu