

A study of human-human cooperative characteristic in moving an object

Abstract

One of the most important things to take into consideration when designing human cooperative robot is to make the robot move as smooth as possible during the cooperative task. This is to ensure that human can work with robot with high degree of smoothness that would ensure the task is completed without stress and fatigue to human. Since robot does not know the feeling of human, we need to replicate the human motion characteristic into the robot. In human-human cooperative task normally to achieve good cooperative task, human will use auditory, visual and touch senses among others.

Keywords — Follower, human, human-human cooperation, human-robot interaction, leader, robot