

M5 Gesture Experiment

M4 Gesture: $dy = 30.0 * ay^3$

M5 Gesture: $dy = 10.0 * az / \text{abs}(az)$ for $\text{abs}(az) \geq 0.5$, 0 else

Experiment: Play 2-person pong with one person using each gesture (switching the person playing each to correct for skill levels)

Results: Smooth transfer function (M4) won 70% of the time, indicating that this more nuanced gesture provides better control

Hypothesized Cause: Smoother transfer function allows for greater control over rate of paddle movement (ie move quickly when far away, but also fast adjustments when close)

Points scored

