DISTWS 19/20 Assignment 1

Predicting Human Performance using Fitts' Law Submission Format

Group members:

Note: Enter in the format, "Last name, first name (matriculation no.); Last name, first name (matriculation no.); ..."

1. a.

Distance from S to F, D_{SF}: 25 cm

Target Width for S to F, W_{SF}: 5 cm

Distance from F to C, D_{FC} : 32 cm

Target Width for F to C, W_{FC} : 8 cm

Movement Time for S to F, MT_{SF} : 258.49625007211563 ms

$$(=0+100*log 2(25.0/5.0+1)=258.49625007211563 ms)$$

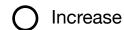
Movement Time for F to C, MT_{FC} : 232.19280948873623 ms

$$(= 0 + 100 * log_2(32.0/8.0 + 1) = 232.19280948873623 ms)$$

Movement Time for S to C, MT_{SC} : 490.6890595608519 ms

(= 258.49625007211563 + 232.19280948873623 = 490.6890595608519 ms

b. Using fingers (b) instead of mouse (a) causes the movement time to





2.	Sketch of your redesign:
	How your redesign minimizes the selection time:
3.	Argument #1:
	Argument #2: