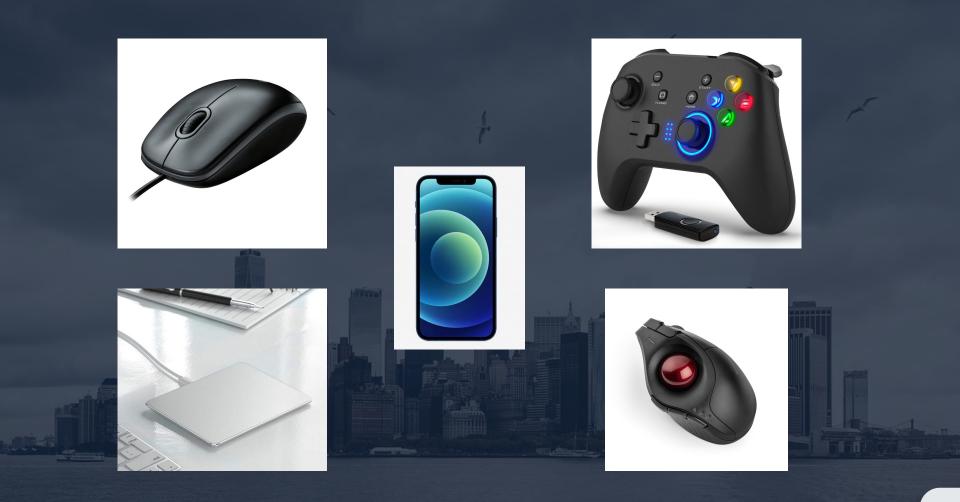
Design With the Mind in Mind Ch 13

Jeff Johnson

By: Kevin Yuan 11/9/2022

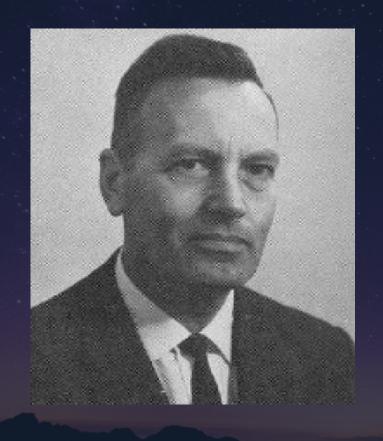






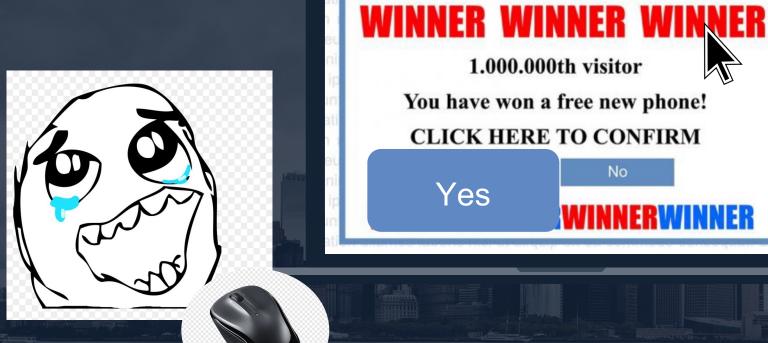




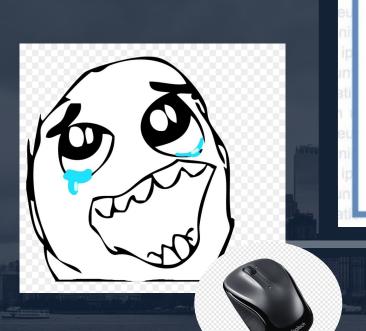


Big = Easy to click Small = Hard to click

Close = Easy to click Far = Hard to click



You have won a free new phone!



Congratulations!

WINNER WINNER WINNER

1.000.000th visitor

You have won a free new phone!

CLICK HERE TO CONFIRM

No

Yes

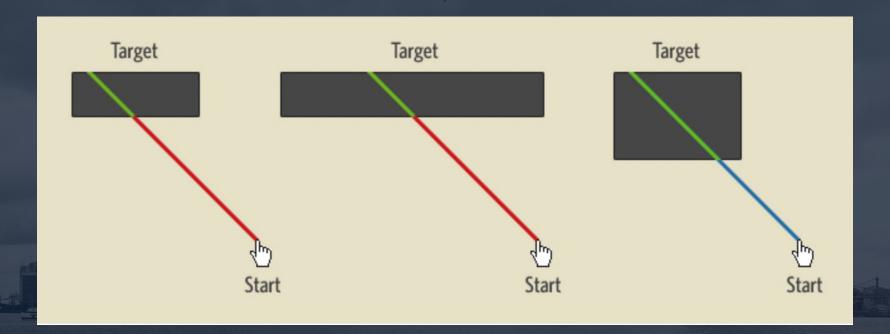
WINNERWINNERWINNER

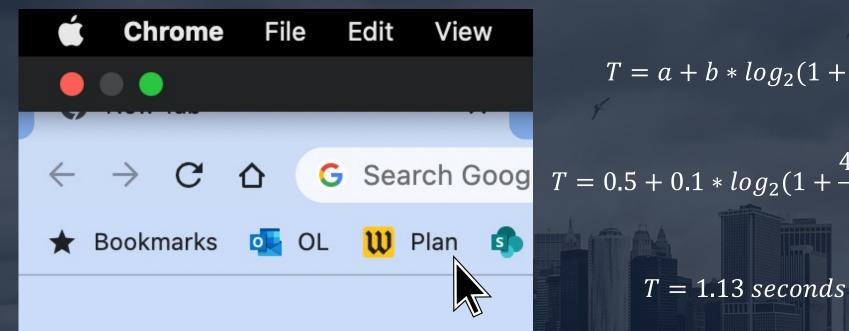
$$T = a + b * log_2(1 + \frac{D}{w})$$

$$T = a + b * log_2(1 + \frac{D}{w})$$

- T = Time to move to target
- D = Distance to move to target
- W = Width of target along the direction of movement of pointer
- A = Ease of starting and stopping the movement
- B = Measure of the avg difficulty of moving the hand and pointing the device

$$T = a + b * log_2(1 + \frac{D}{w})$$

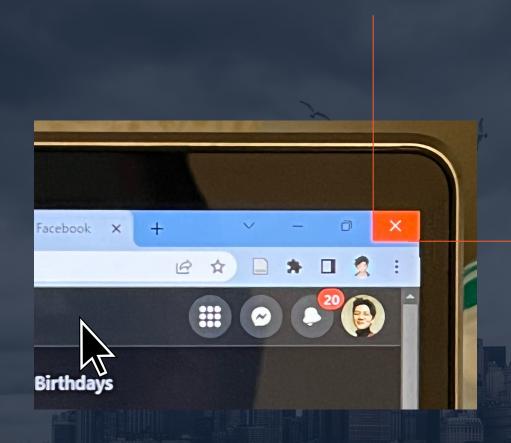




$$T = a + b * log_2(1 + \frac{D}{w})$$

$$T = 0.5 + 0.1 * log_2(1 + \frac{400mm}{5mm})$$

$$T = 1.13$$
 seconds

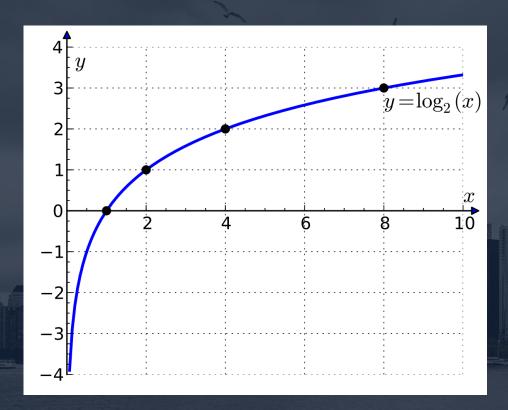


$$T = a + b * log_2(1 + \frac{D}{w})$$

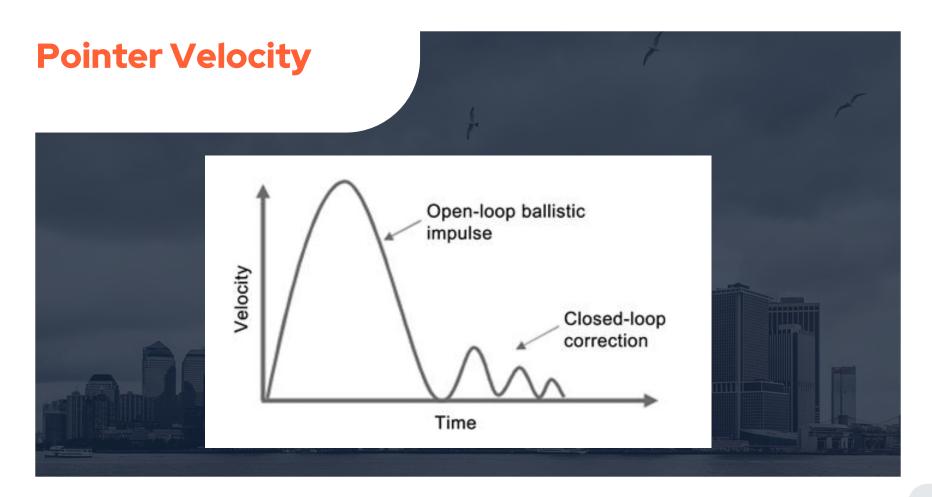
$$T = 0.5 + 0.1 * log_2(1 + \frac{400mm}{\infty mm})$$

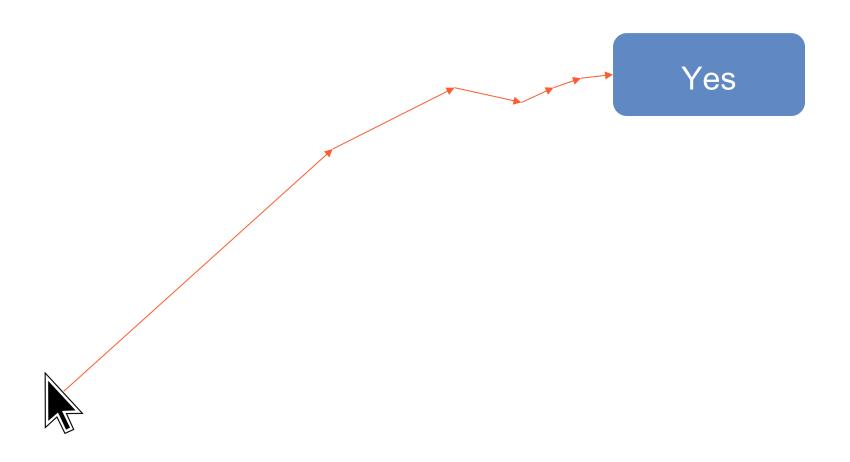
$$T = 0.5$$
 seconds

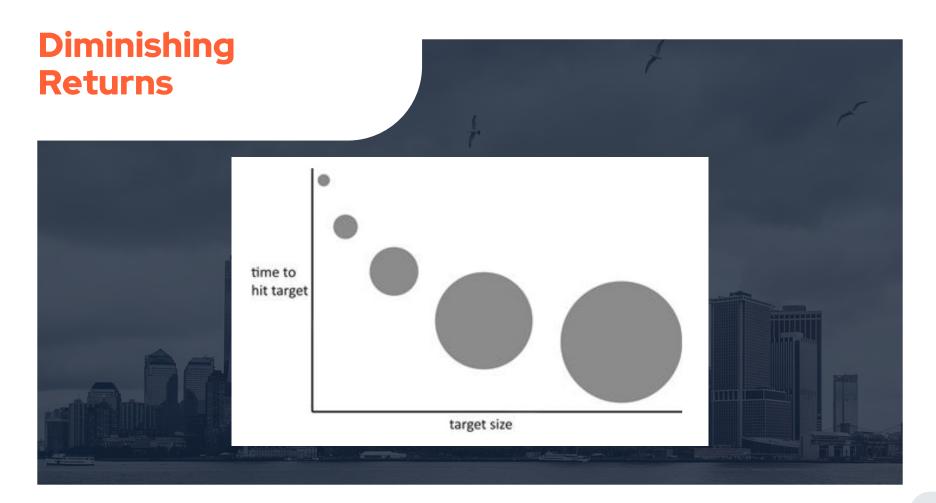
$$T = a + b * log_2(x)$$



$$x = 1 + \frac{D}{W}$$





















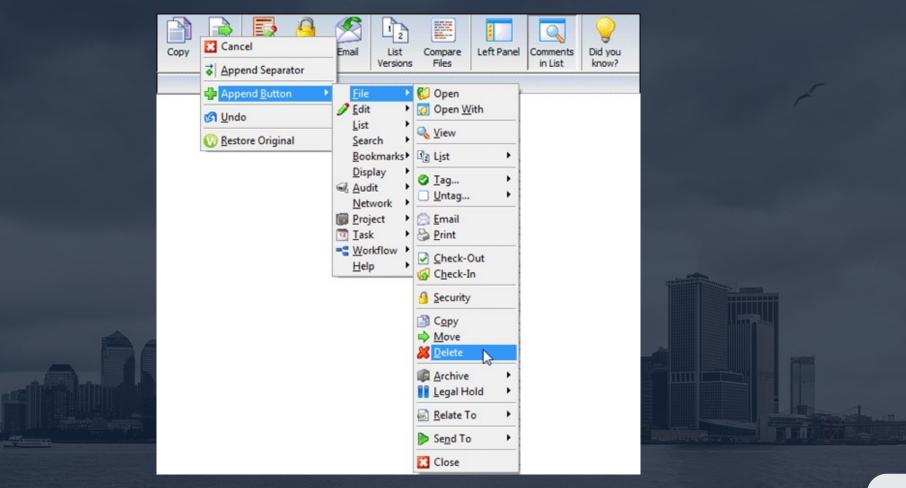
Big path = Easy to navigate

Small path = Hard to navigate





$$T = a + b * \frac{D}{w}$$



Design Implications

Don't make clickable targets too small



Don't misrepresent the clickable area



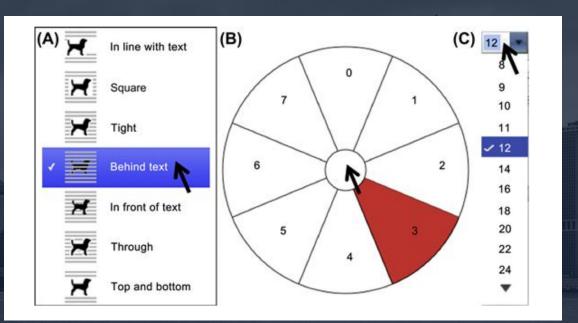
Don't forget about the target label



Don't put clickable targets too close to each other

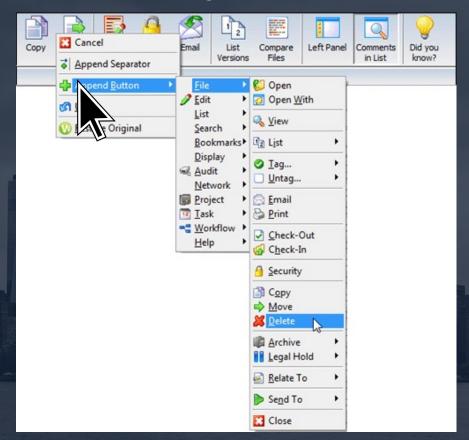


Don't limit yourself to buttons





No... just no





Thanks!