

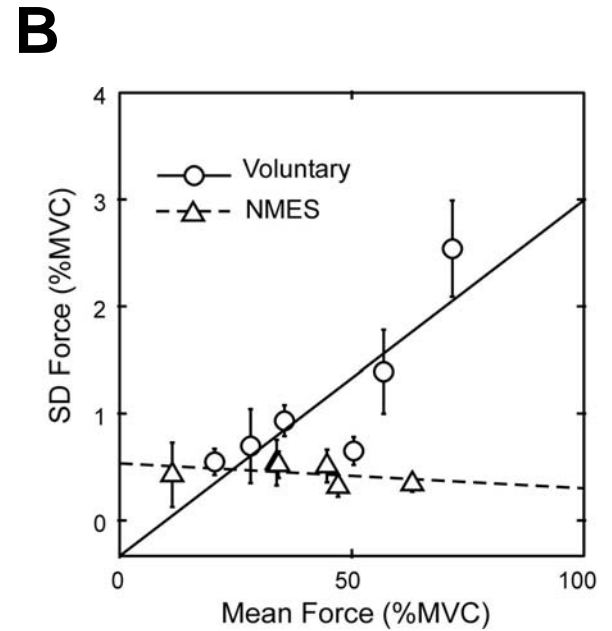
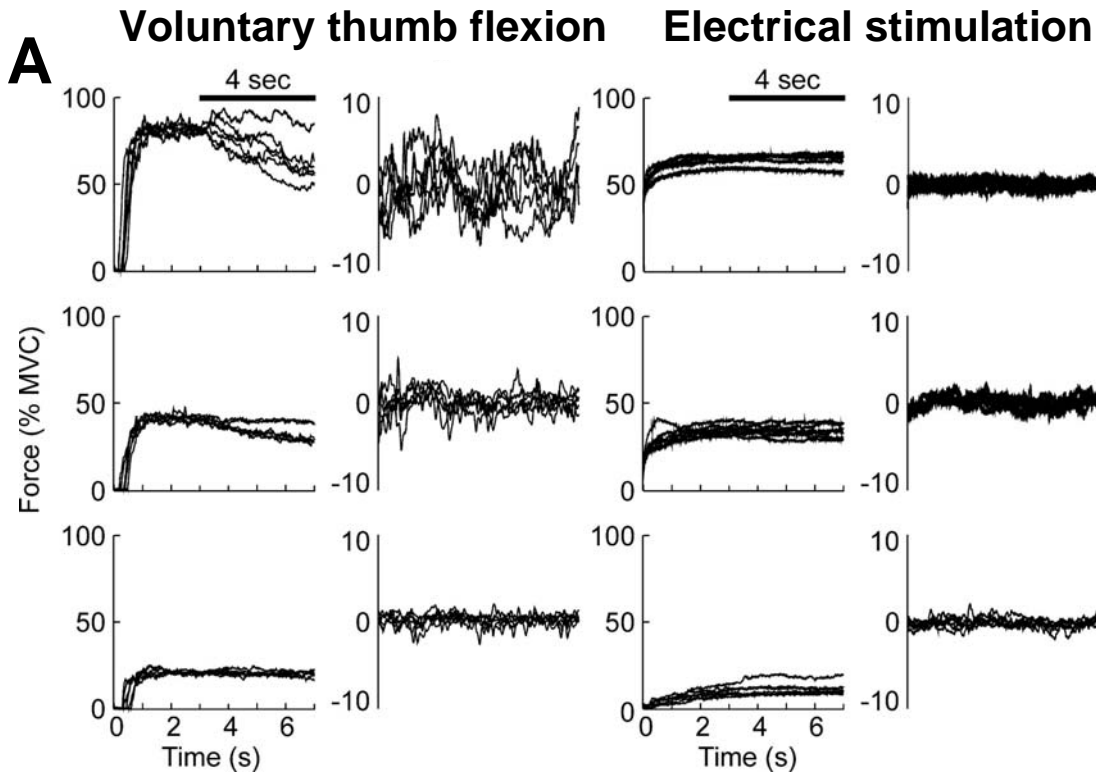
Minimizing endpoint error with signal dependent noise. Harris and Wolpert (1998) model

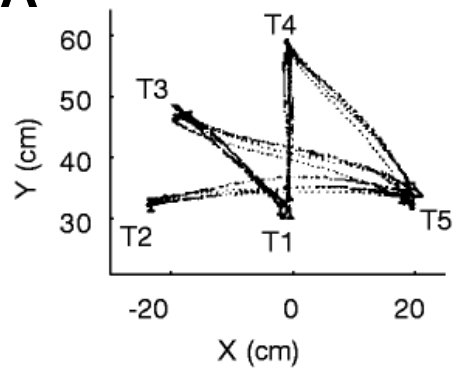
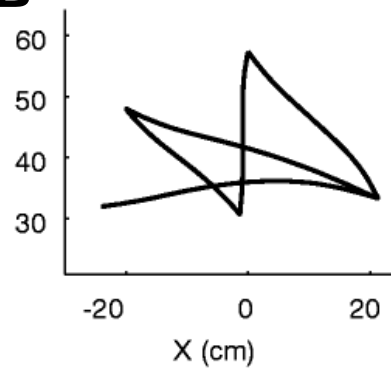
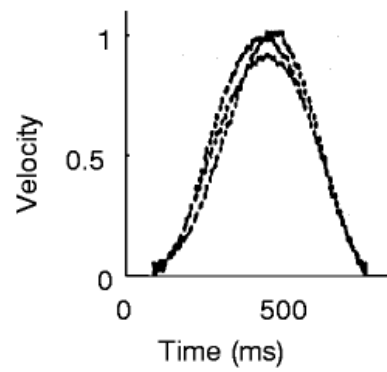
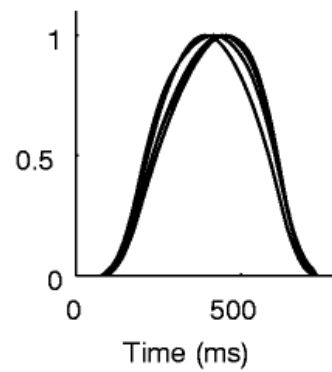
Given a desired movement time  $D$ , minimize variance of the endpoint error at  $t=D$ .

Start with high velocity, and then slowly get close to the target.

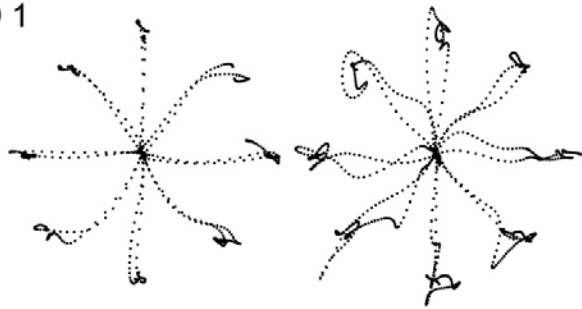
Signal dependent noise would produce a lot of endpoint error.

# Noise in force production grows with neural input

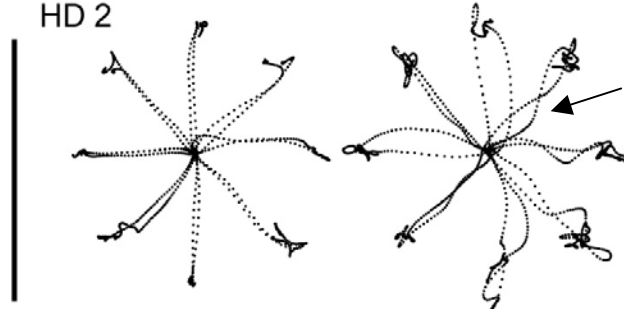


**A****B****C****D**

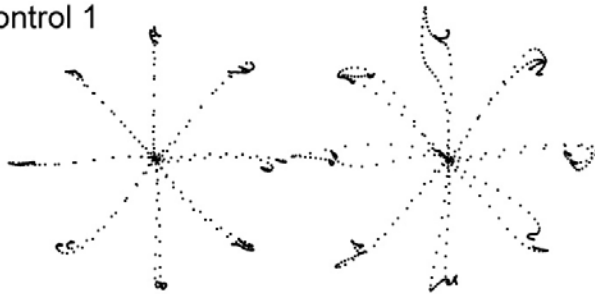
HD 1



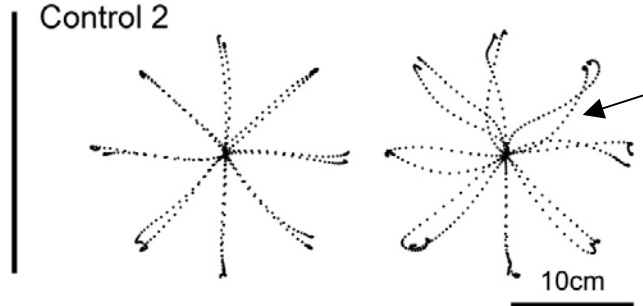
HD 2

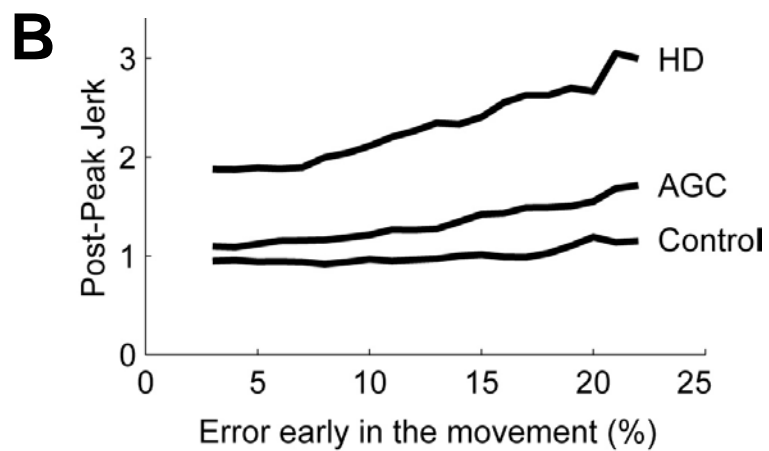
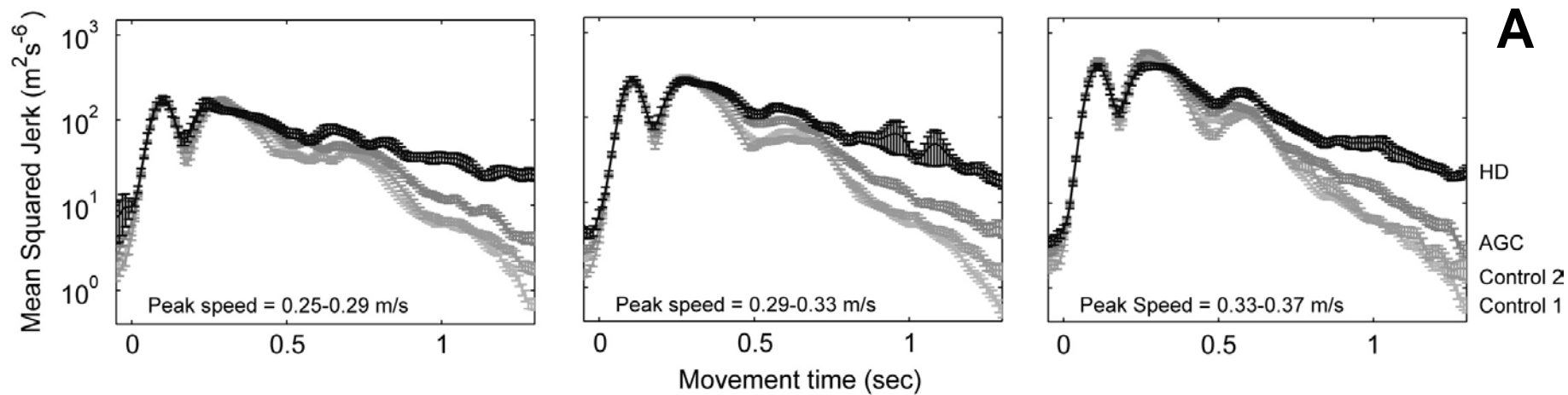


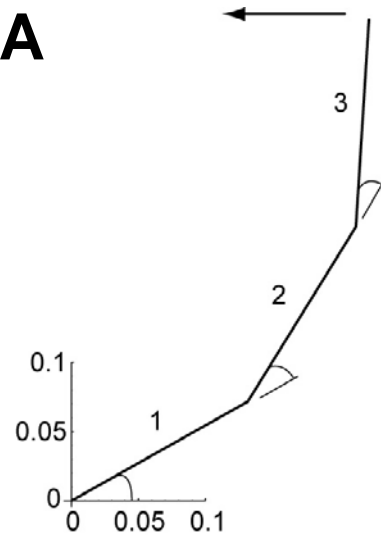
Control 1



Control 2





**A****B**