

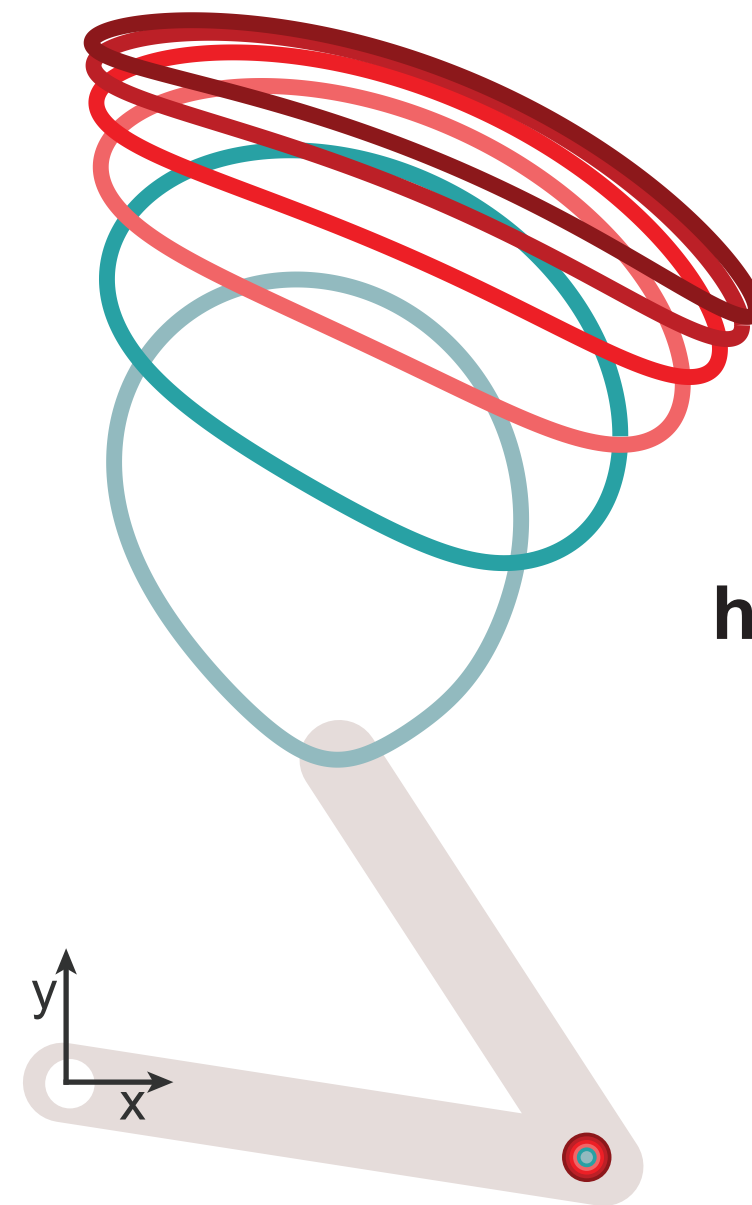
# VISUAL PERCEPTION OF JOINT STIFFNESS

Human action and perception are tightly coupled.

PERCEPTION



ACTION



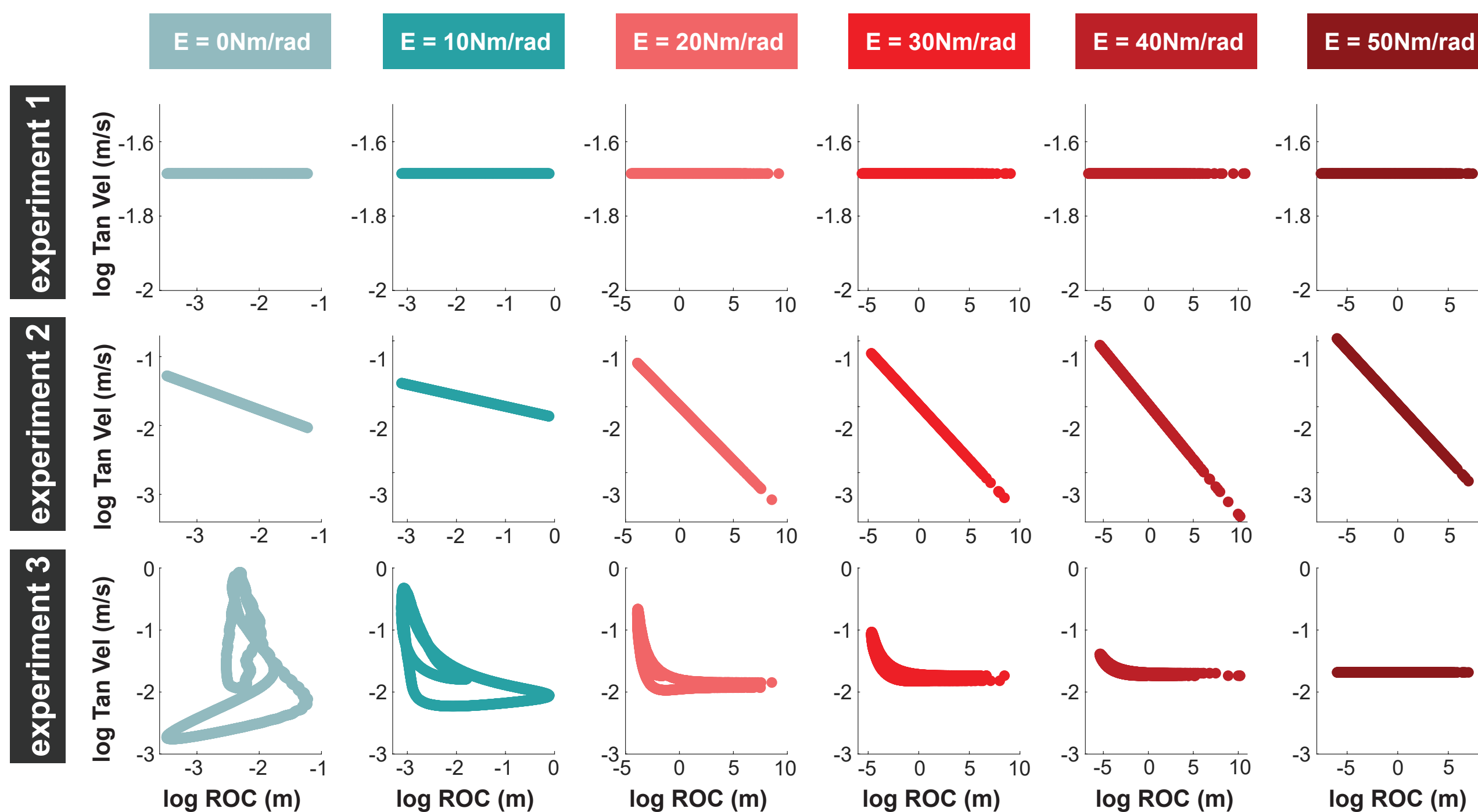
Stiffness affects motion in human motor behaviors, and humans can perceive stiffness from visually observing motion.



## WHAT MOTION CUES ARE USED TO ESTIMATE STIFFNESS?

is temporal information needed?

no, path information is sufficient



Three new stiffness visual perception experiments with manipulated velocity profiles were conducted.

Manipulation of the velocity profiles did not affect subjects' ability to estimate stiffness.

