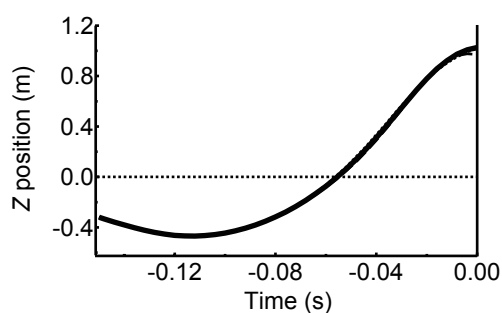
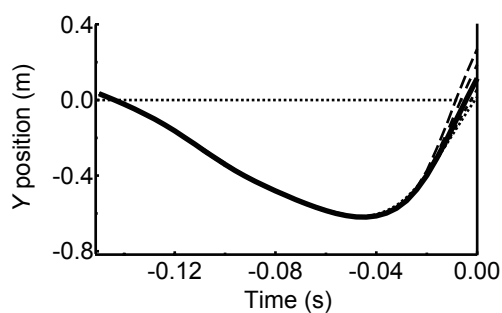
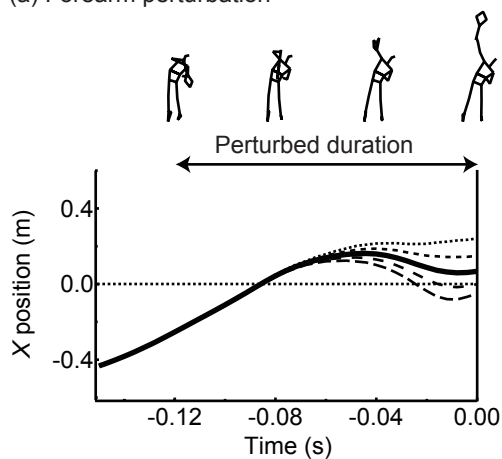
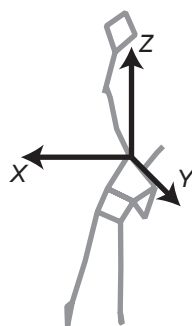


(a) Forearm perturbation



..... : -30%
 - - - : -15%
 — : $\pm 0\%$ (control)
 - - - : +15%
 - - - : +30%



← Right sideline Baseline Left sideline →
 Center mark

(b) Elbow perturbation

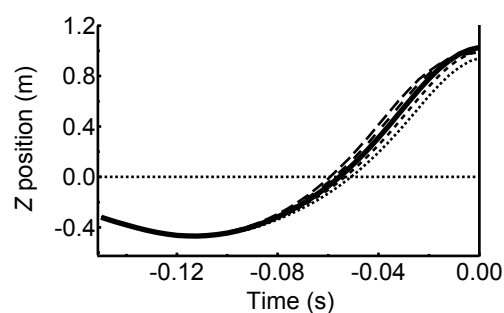
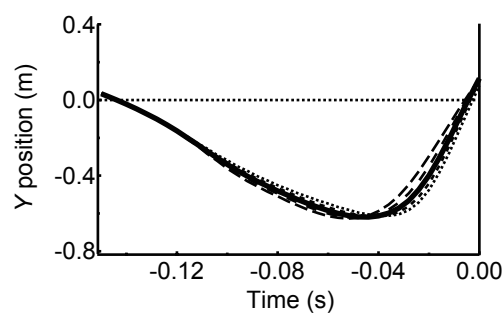
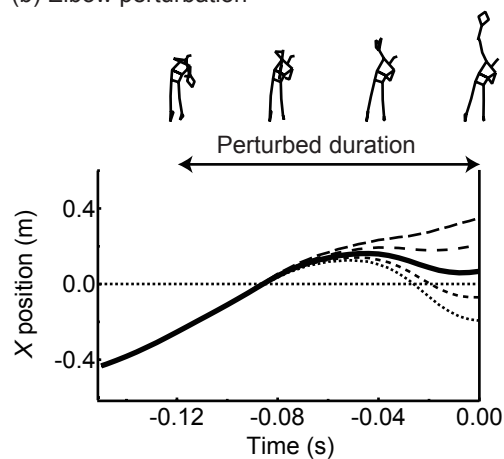


Figure S2. X (top), Y (middle) and Z (bottom) positions of the center of racket head (racket path) for forearm perturbation (a) and elbow perturbation (b). The X-axis directed rightward (from the center mark to the right sideline), Y-axis directed forward (from the baseline to the net), and Z-axis directed vertically on the court of server's side. The shoulder joint center was taken as reference origin.