Joint Compliance Spring-damper Test  $K_s = 300 [N/m] K_d = 1 [N/(m/s)]$ F<sub>\_</sub> [degrees]  $^{\text{m}}_{\theta}$  100  $V_{m}$  [rad/s] -100 I<sub>cmd</sub> [A] -20 ∑ 0 - ± -20 

1.5 [s]