

SUPPLEMENTARY MATERIAL

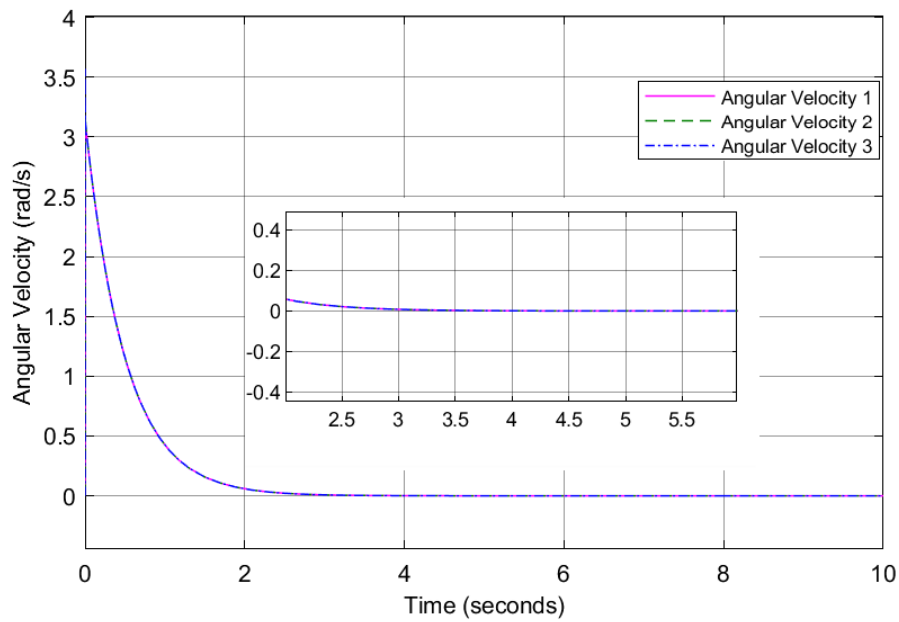


Figure S1. Angular velocity response for using ASC..

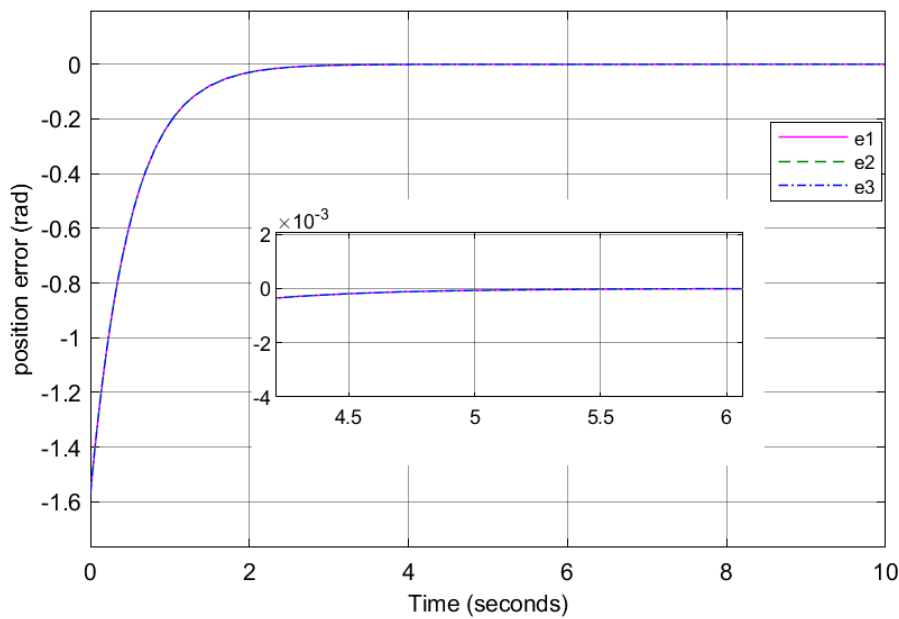


Figure S2. Position error response for ASC

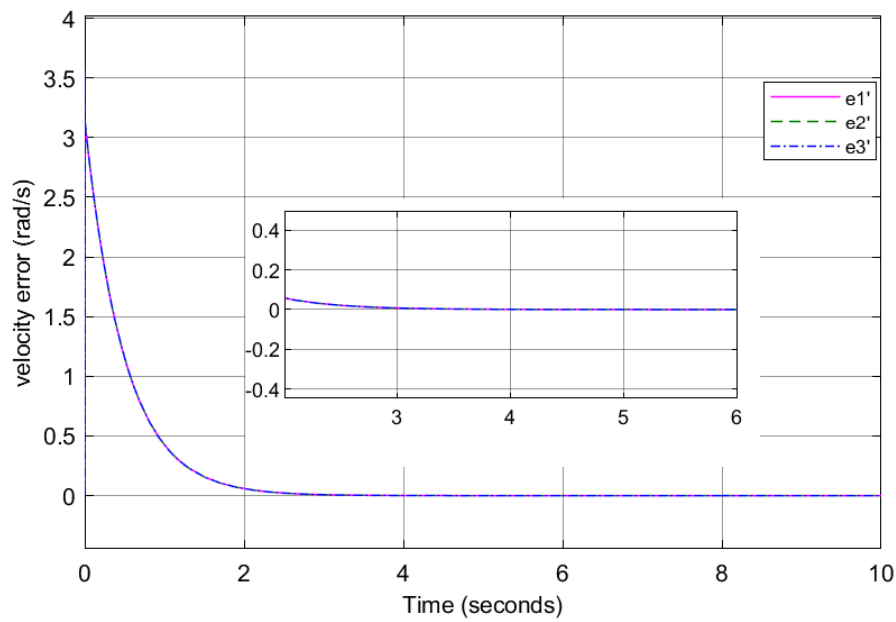
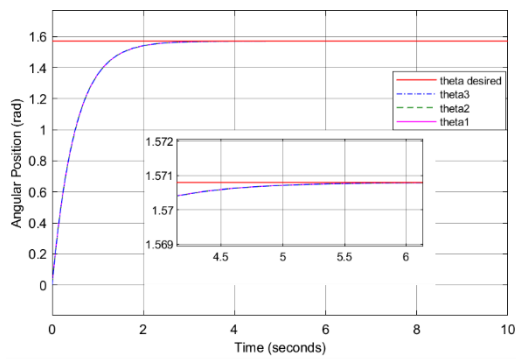
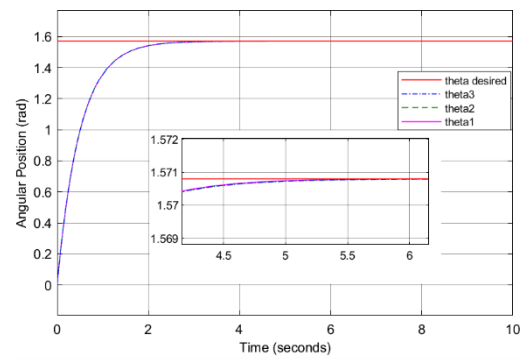


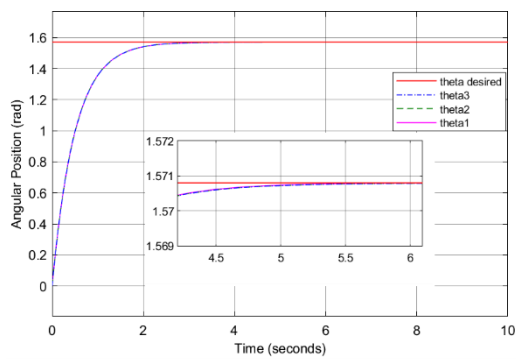
Figure S3. Velocity error response for ASC.



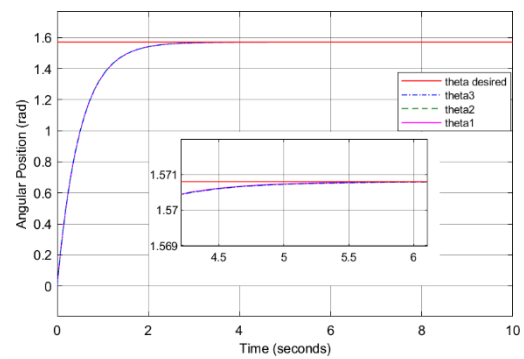
a.25%



b.50%

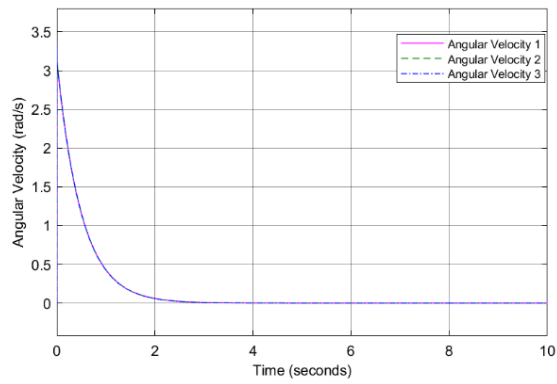


c.75%

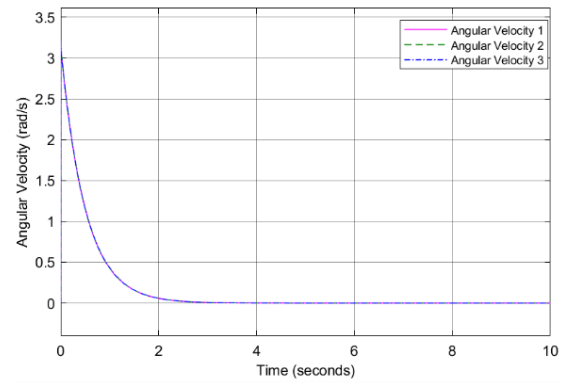


d.90%

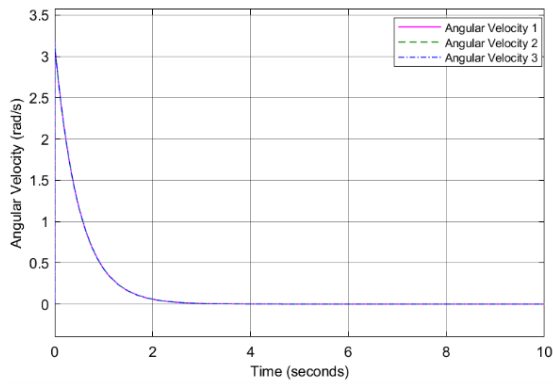
Figure S4. Angular position function phase plot at uncertainty of ASC.



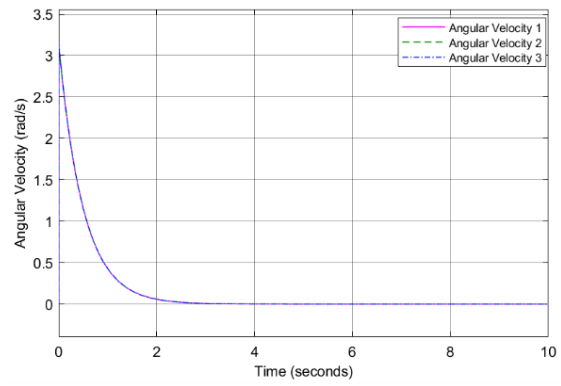
a.25%



b.50%

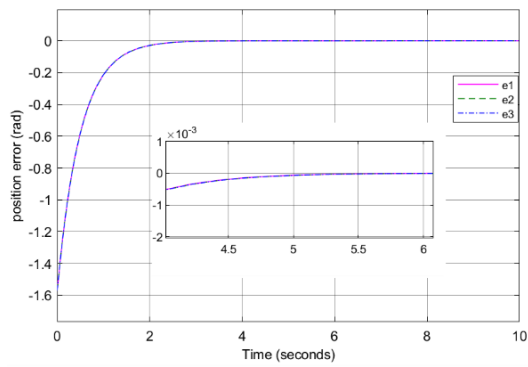


c.75%

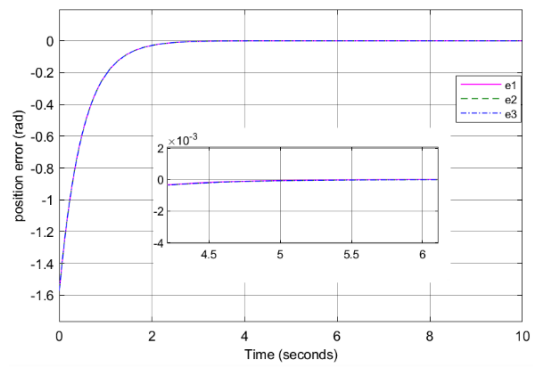


d.90%

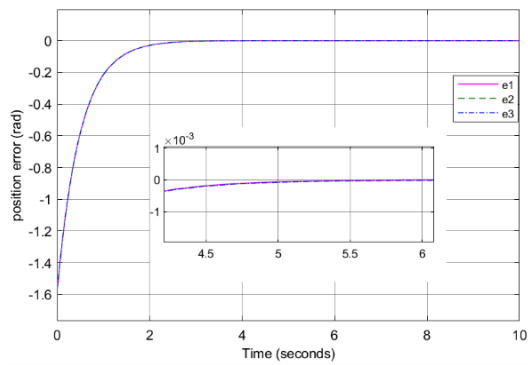
Figure S5. Angular velocity function phase plot at uncertainty of ASC.



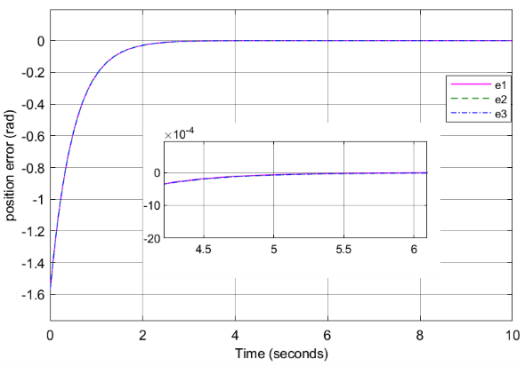
a.25%



b.50%

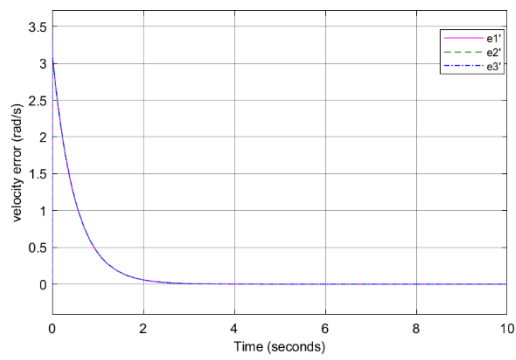


c.75%

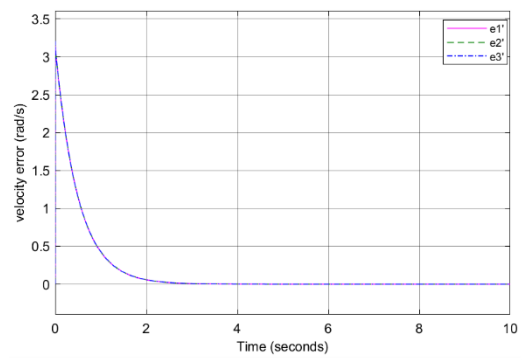


d.90%

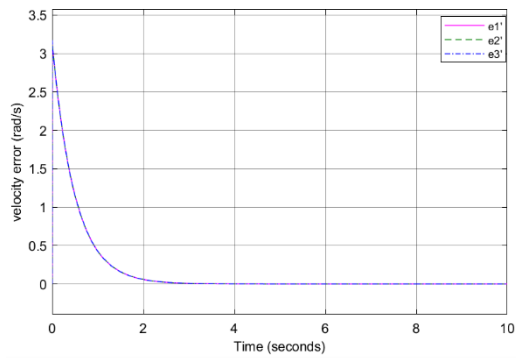
Figure S6. Position error function phase plot at uncertainty of ASC.



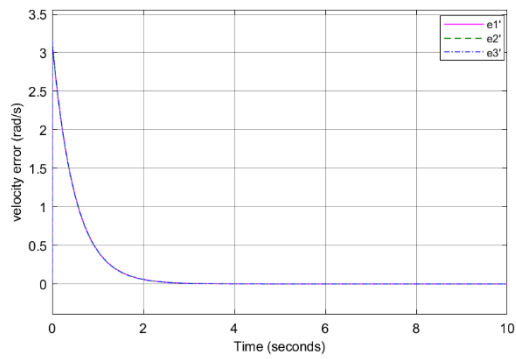
a.25%



b.50%

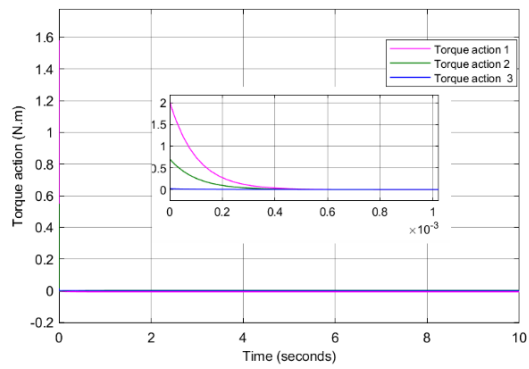


c.75%

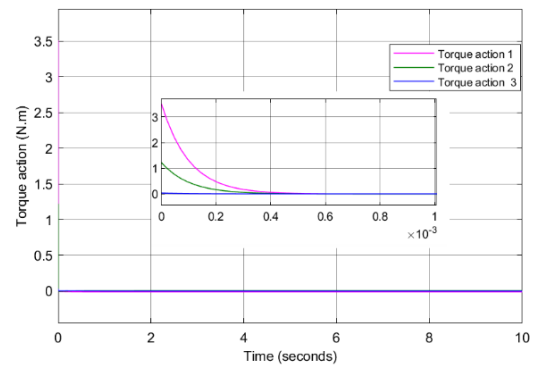


d.90%

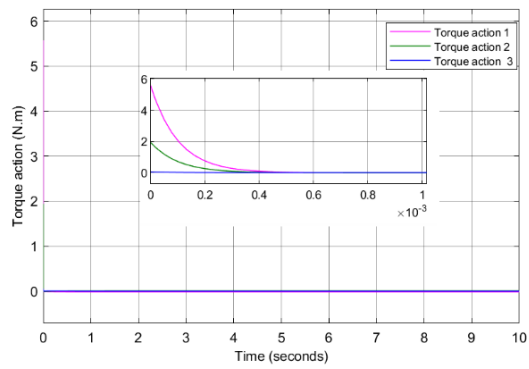
Figure S7. Velocity error function phase plot at uncertainty of ASC.



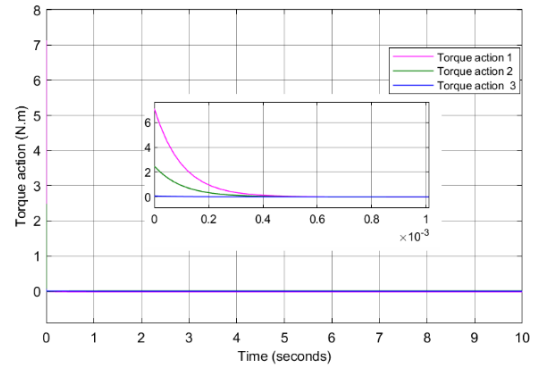
a.25%



b.50%



c.75%



d.90%

Figure S8. Control action function phase plot at uncertainty of ASC.

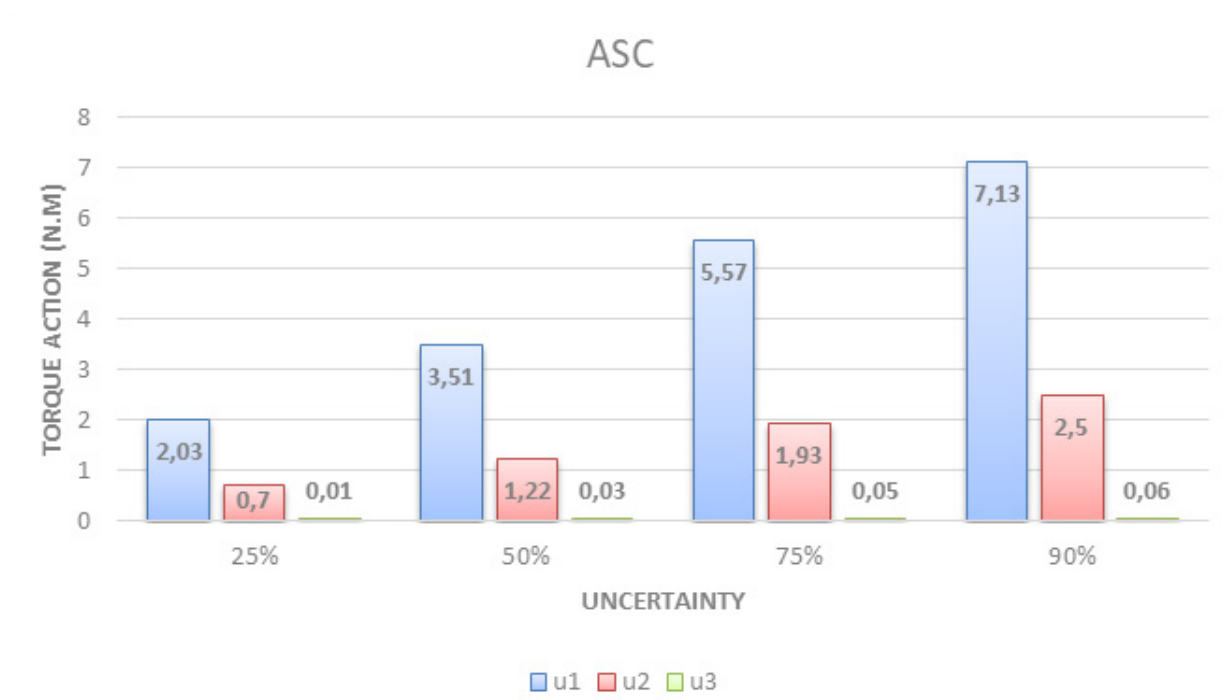


Figure S9. Torque action value of ASC for a prosthetic finger system.