Heading response to  $\psi_r = 30^{\circ}$  with current disturbances.  $K_{pd} = 0.707$ 50  $|\psi_{ship}|$ 40 30 20 Angle  $[\circ]$ -10 -20 -30 200 300 0 100 400 500 Time [s]

Heading response to  $\psi_r = 30^\circ$  with current disturbances.  $K_{pd} = 0.8406$ 

