

f()

AHRSLoopCtrl

This module encapsulates the AHRS loop control modules.

[theta\_cmd,phi\_cmd,r\_cmd] = Heli\_outer\_loop(Pilot\_theta\_cmd,Pilot\_phi\_cmd,Pilot\_r\_cmd,voted\_fb)

Heli\_outer\_loop

Pilot\_theta\_cmd  
Pilot\_theta\_cmd  
Pilot\_phi\_cmd  
Pilot\_phi\_cmd  
Pilot\_r\_cmd  
Pilot\_r\_cmd

Pilot\_theta\_cmd  
Pilot\_phi\_cmd  
Pilot\_r\_cmd  
voted\_fb

theta\_cmd

Heli\_outer\_loop\_caller

phi\_cmd

r\_cmd

theta\_cmd  
phi\_cmd  
r\_cmd  
voted\_fb

Heli\_inner\_loop\_caller

actuator\_commands = Heli\_inner\_loop(theta\_cmd,phi\_cmd,r\_cmd,voted\_fb)

Heli\_inner\_loop

actuator\_commands  
actuator\_commands