Trial 1

PUB GetCX | a

a := 970

cFilterX := (a\*(cFilterX-GetRy\*2\*100/10000)/1000 + (1000-a)\*GetAx\*100/100/1000)

return cFilterX



Analysis:

Complementary filter is too jiggly. That’s because gyro became very jiggly.

Trial 2

PUB GetCX | a

a := 850

cFilterX := (a\*(cFilterX-GetRy\*2\*100/10000)/1000 + (1000-a)\*GetAx\*100/100/1000)

return cFilterX



Three comparison



Trial 3

PUB GetCX | a

a := 900

cFilterX := (a\*(cFilterX-GetRy\*2\*100/10000)/1000 + (1000-a)\*GetAx\*100/100/1000)

return cFilterX



Comparison of 3 trials