**Driving layout very simple to do a driver comparison (da fare in WinDarab e in Wintax con reference LAP \* best del weekend o simulazione??)**

Une image contenant texte, intérieur, capture d’écran, afficher

Description générée automatiquement

Good if can be compare on live with a reference one.

Some parameters to monitor (formulas are from PI but can be transformed for wintax/bosch) :

RPM @ upshifts min/avg/max

**Driver brake aggression**

**Driver brake release smoothness** delta valore istantaneo e filtrato

movAverage(derivative([P\_F\_BRAKE],Ignore),0.05,Ignore)

gate([Derivative Brake P]<0, fabs([P\_F\_BRAKE]-movAverage([P\_F\_BRAKE],0.2,Ignore)))\*100

**Driver SW smoothness** delta valore istantaneo e filtrato

gate( fabs([STEER])>=5, movAverage( fabs([STEER]) - movAverage( [STEER],0.2,Ignore) ,0.5,Ignore) )

**Driver throttle smoothness** delta valore istantaneo e filtrato

movAverage(derivative([TPS],Ignore),0.05,Ignore)

gate( [Derivative TPS]>0 , fabs([TPS] - movAverage([TPS],0.2,Ignore)))

**Cross factor (for left foot driver)** tempo speso in overlap

integral(choose( [P\_F\_BRAKE]>CONST(Brake P Threshold) && [PPS]>CONST(Pedal Threshold),1,0), Reset)

Brake P Threshold =5

Pedal Threshold = 10

**Coast factor**

integral(

choose( [P\_F\_BRAKE]<CONST(Brake P Threshold) && [PPS]<CONST(Pedal Threshold) && [TB TrState]==0,1,0), Reset)

Others:

Fuel consumption; Energy; Brake balance ; Max brakes pressure; Wheel lockings; TC knobs; car balance in slow, medium and fast corners (respectively 130 and 200 KPH as threshold).

Outing report con: top speed, velocitá agli apex, pbrake max, curvature nelle sezioni curve, Tempo di percorrenza