OPENPASS

OSI TWO-TRACK & COLLISION

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openPASS

Transfer two-track PCM -> OSI

OSI original blueprint

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Dyn_Regular Driving

Full replacement of dynamics component:

mimic I/O of original dynamics component

"sneak-in" of new dynamics component in blueprint

alter dynamic agent blueprint

OSI modified blueprint

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Dyn_Regular TwoTrack

openPASS

Transfer collision PCM -> OSI

PCM

(core module)
CD_Impact

(component)
Dyn_Collision

Distribution of tasks:

detection of collision

calculation of impact and resulting momenta

application of resulting momenta

OSI

(core module)
Manipulator

(component)
Dyn_CollisionPostCrash

(component)
AgentUpdater