接口

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| Signal | Receive/Transit | module |
|  |  |  |
| a0(polynomial parameter of left lane) | R | perception |
| a1(polynomial parameter of left lane) | R | perception |
| a2(polynomial parameter of left lane) | R | perception |
| a3(polynomial parameter of left lane) | R | perception |
| b0(polynomial parameter of right lane) | R | perception |
| b1(polynomial parameter of right lane) | R | perception |
| b2(polynomial parameter of right lane) | R | perception |
| b3(polynomial parameter of right lane) | R | perception |
| Object(i) velocity along current centerline | R | perception |
| Object(i) lateral velocity w.r.t current lane | R | perception |
| Object(i) lateral acceleration w.r.t current lane | R | perception |
| Object(i) yaw rate w.r.t current lane | R | perception |
| Object(i) longitudinal distance w.r.t ego vehicle | R | perception |
| Current vehicle heading angle w.r.t current lane | R | perception |
| Current lane curvature | R | perception |
| Left lane curvature | R | perception |
| Right lane curvature | R | perception |
| Ego vehicle current position x | R | Map |
| Ego vehicle current position y | R | Map |
| Reference line waypoints on current lane | R | Map |
| Reference line waypoints on left lane | R | Map |
| Reference line waypoints on right lane | R | Map |
| Current vehicle heading angle | R | Map |
| Behavior CMDs | R | Behavior Planning |
| Active CMDs | R | Behavior Planning |
| Current lane road width | R | Map |
| Left lane road width | R | Map |
| Right lane road width | R | Map |
| Current vehicle velocity | R | Powertrain |
| Current vehicle acceleration | R | Powertrain |
| Current vehicle yaw rate | R | Powertrain |
|  |  |  |
| Spatial temporal position x | T | Planning |
| Spatial temporal position y | T | Planning |
| Spatial temporal time t | T | Planning |
| Spatial temporal velocity v | T | Planning |
| Spatial temporal curvature | T | Planning |
| Spatial temporal heading angle w.r.t reference line | T | Planning |
| Spatial temporal lateral offset w.r.t reference line | T | Planning |
| Spatial temporal delta heading w.r.t reference line | T | Planning |
|  | T | Planning |
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