

parked.

drift

$$\frac{d}{dt}\vec{x} = \vec{h}(\vec{x})$$

?

?

speed up

$$\frac{d}{dt}\vec{x} = \frac{d}{dt} \begin{bmatrix} x \\ v \\ \alpha \\ F_r \\ \vdots \end{bmatrix} = \vec{f}(\vec{x})$$

?

turn

$$\frac{d}{dt}\vec{x} = \vec{g}(\vec{x})$$