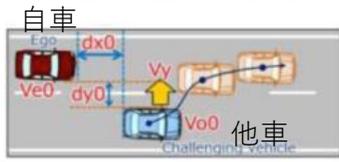
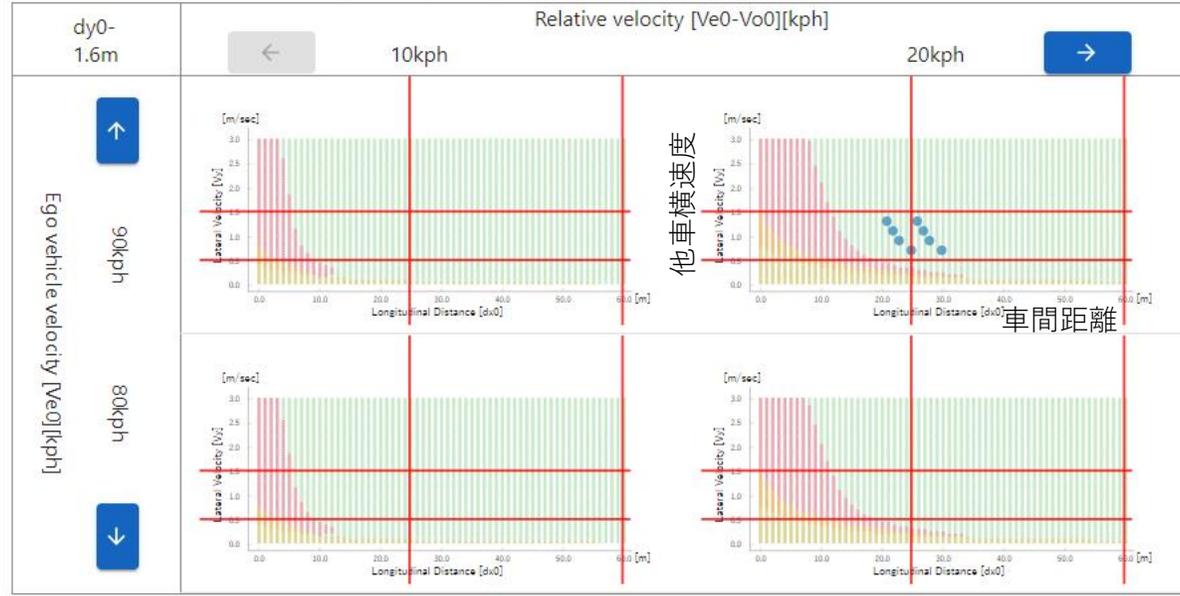


# Regulation Parameters



Initial condition	Initial velocity	<b>Ve0</b>	Ego vehicle velocity
		<b>Ve0-Vo0</b>	Relative velocity
	Initial distance	<b>dy0</b>	Lateral distance <sup>x</sup>
		<b>dx0</b>	Longitudinal distance
Vehicle motion	Lateral motion	<b>Vy</b>	Lateral velocity

\*Lateral distance  
 ex) Lane width : 3.5 [m]  
 Vehicle width : 1.9 [m]  
 Driving in the center of the lane  
 $dy = 1.6$  [m]



Verify any one case

Verify edge cases

Target Graph

Ego Vehicle Speed の設定 (自車速度の設定) 90kph

Relative Speed の設定 (相対速度の設定) 20kph

Output resolution (Lateral speed) Step 0.2 m/s

他車横速度の設定 (Challenging vehicle lateral velocity setting) 0.7m/s 1.4m/s

Verify around edge cases

Range 車間距離の設定 (回避可能範囲・それ以外の範囲の境界から8mおよび13mに設定)

Step 8m 13m 5m

Verify all cases

PREVIEW

Upper limit

Y-Axis 他車横速度 (Challenging vehicle lateral velocity) 1.5 Unit

X-Axis 車間距離 (Inter-vehicle distance) 60 Unit

Lower limit

Y-Axis 0.5 Unit

X-Axis 25 Unit

合理的予見可能範囲の表示設定