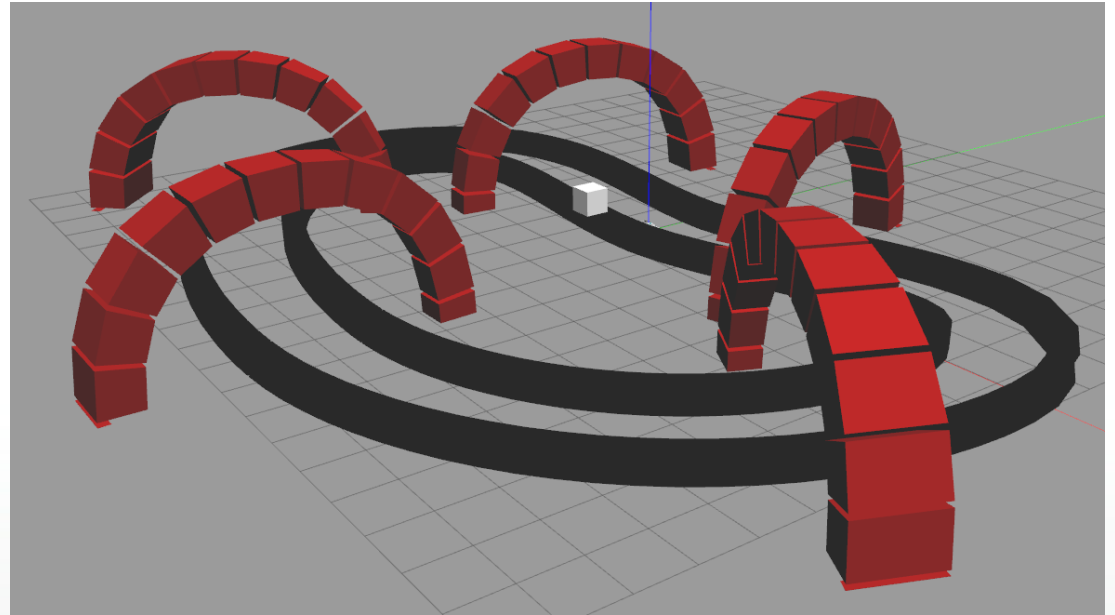
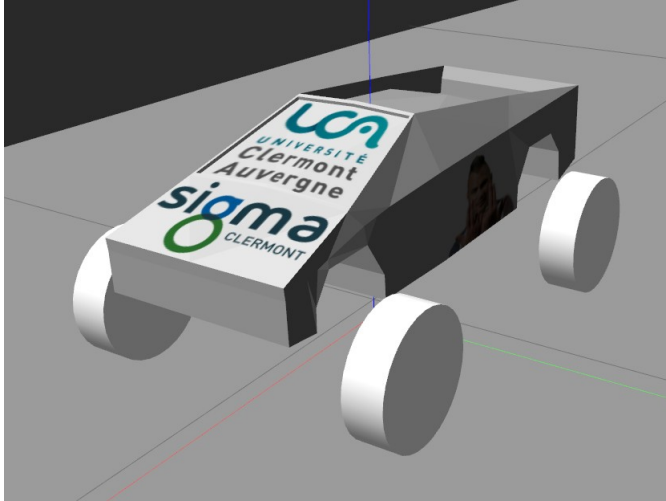
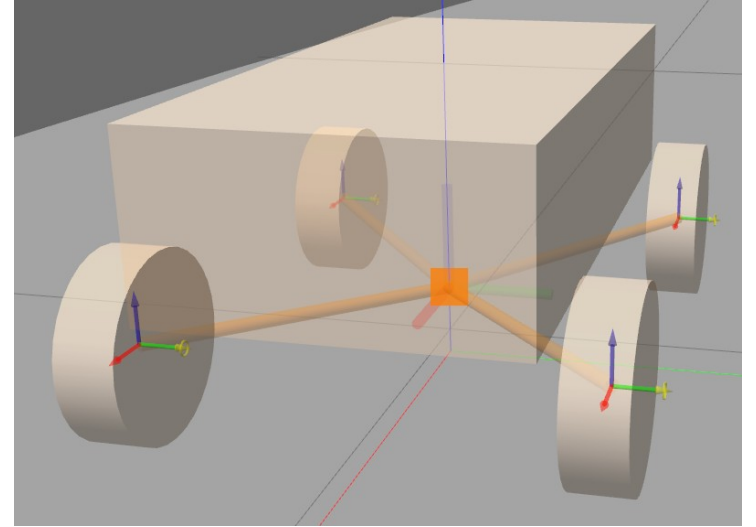
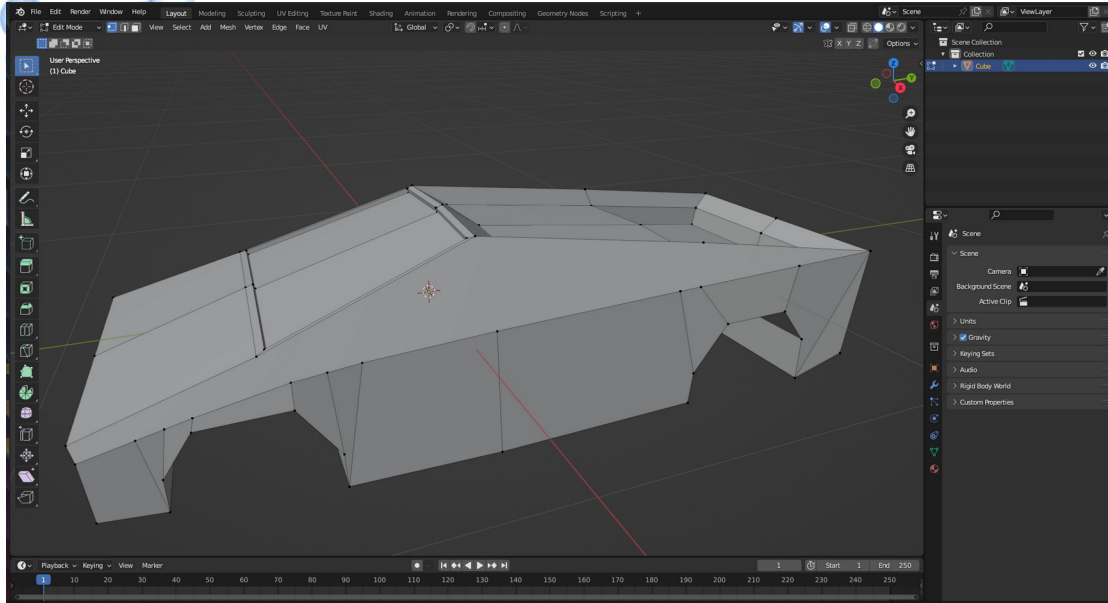


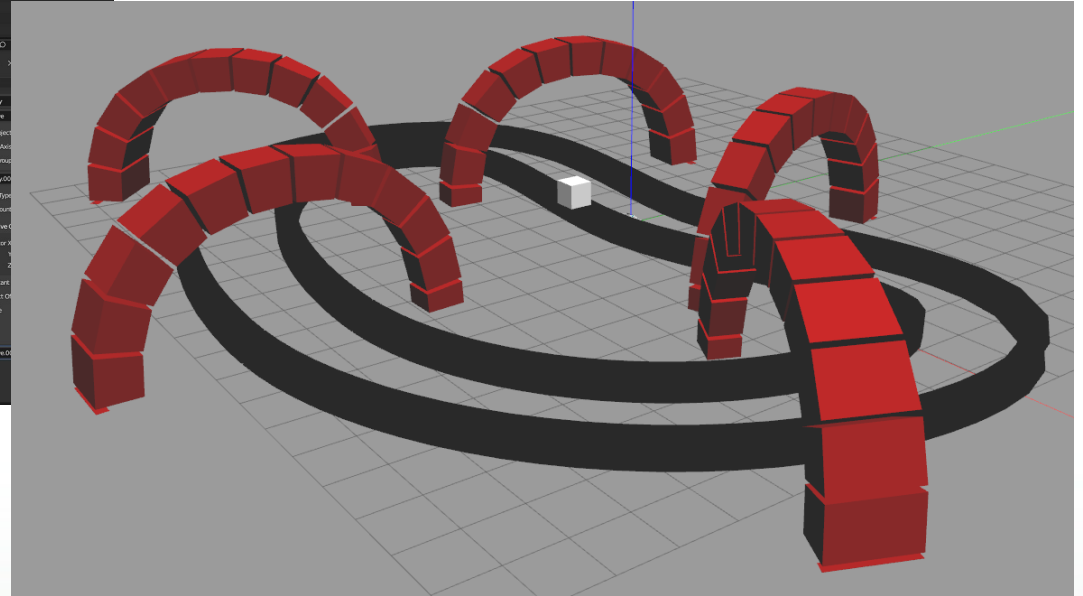
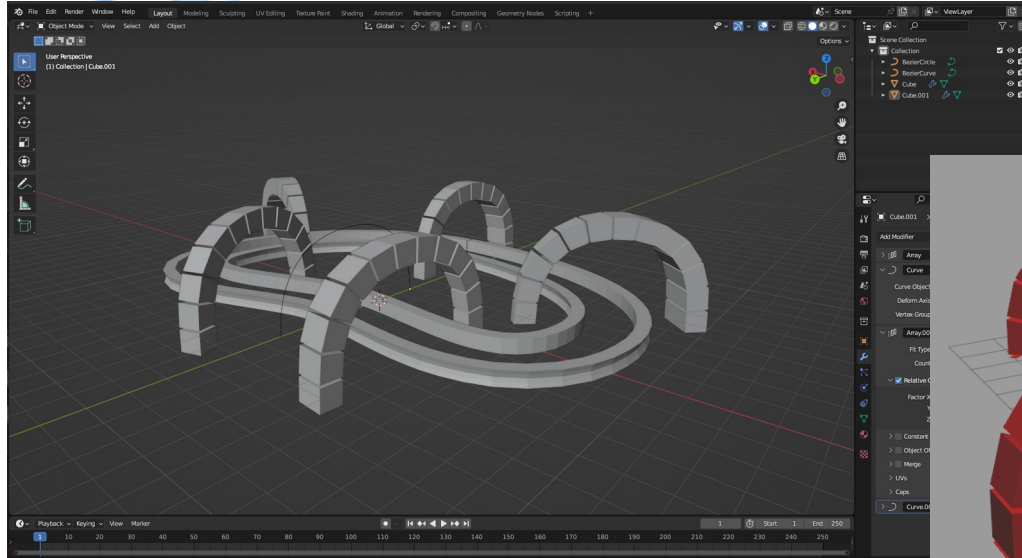
Project ROS : Car race



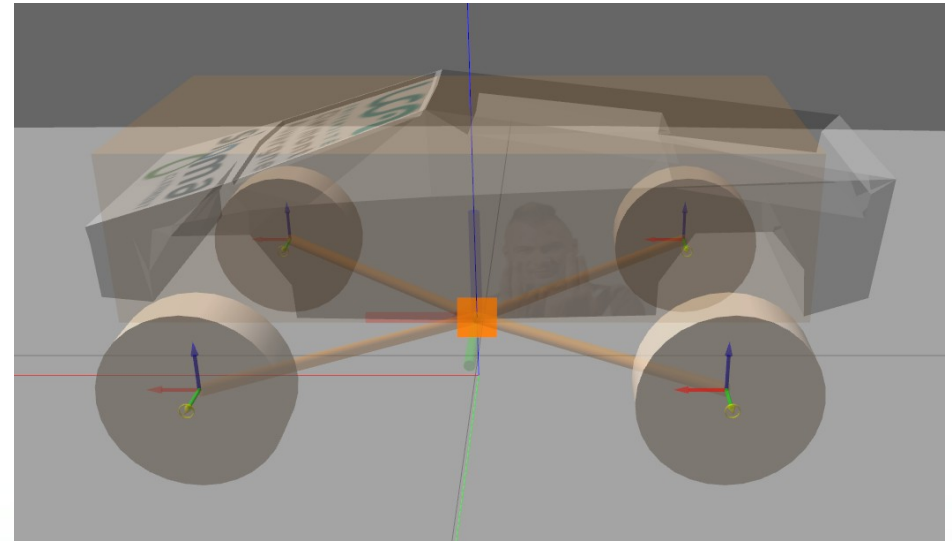
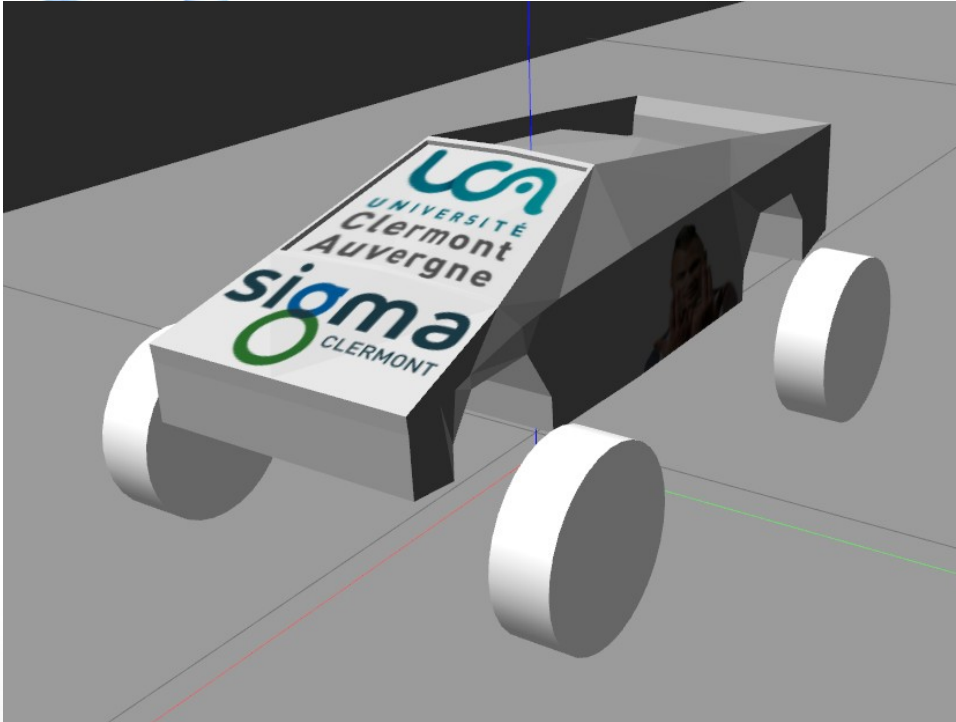
Car and road



Car and road



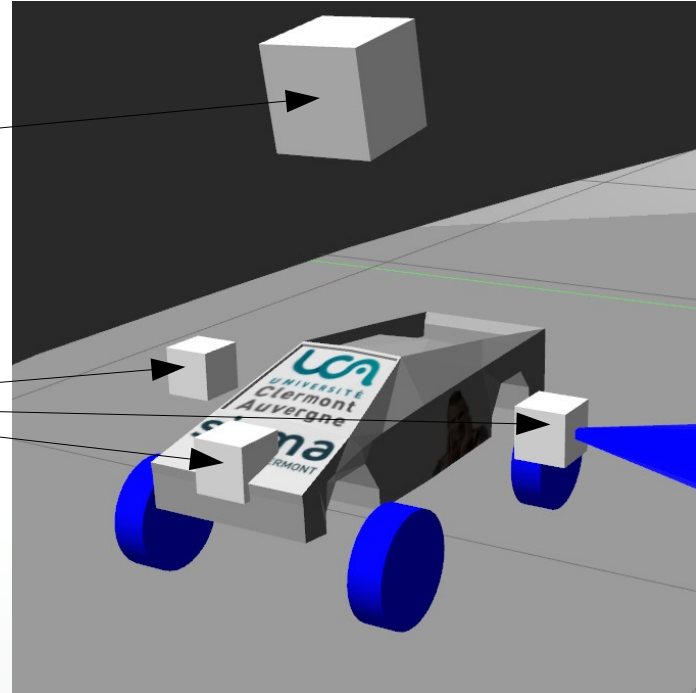
Car collision



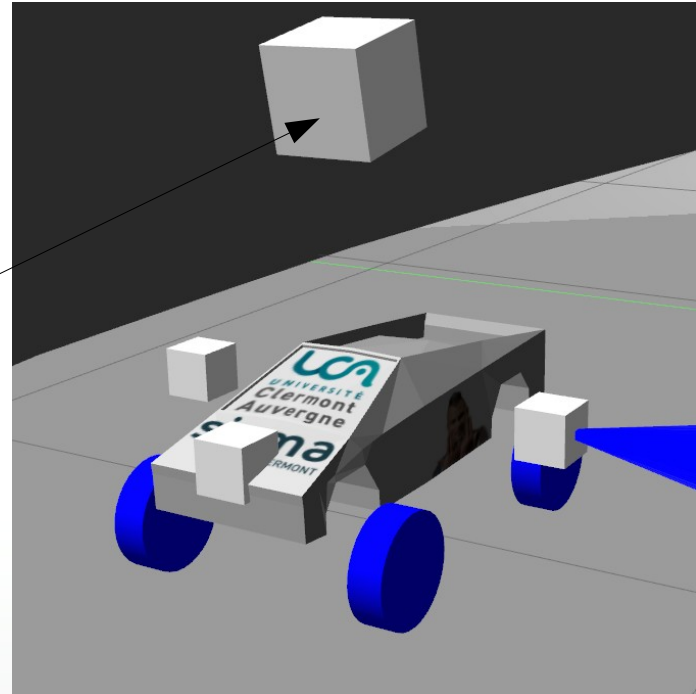
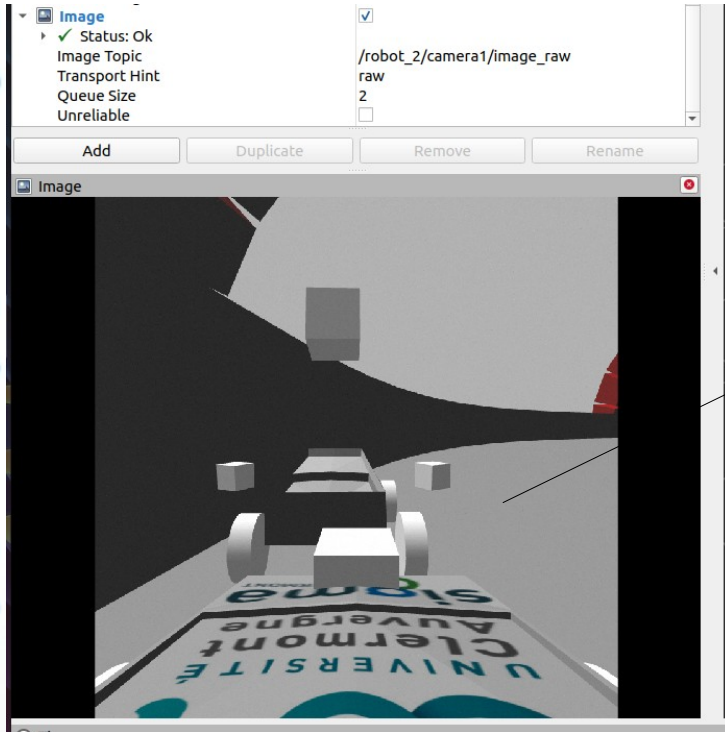
Car's sensors

Camera

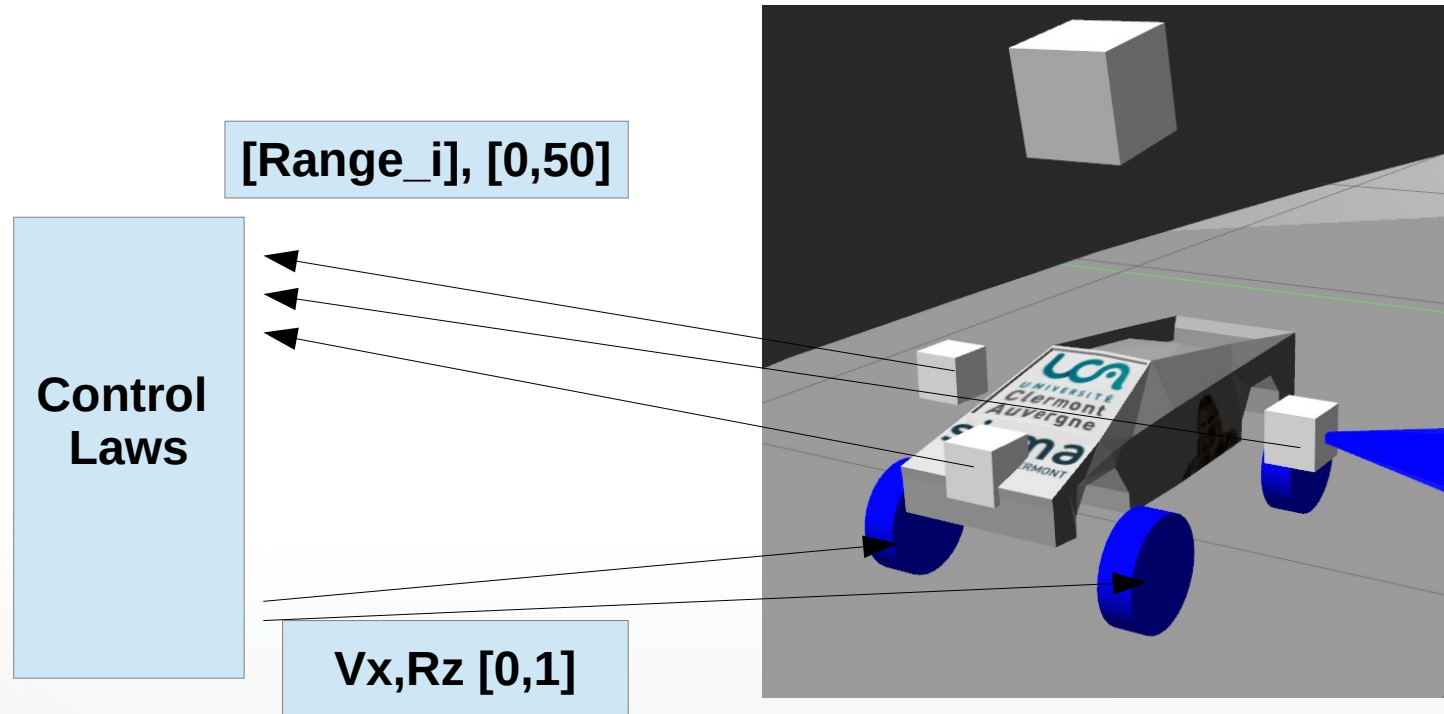
Range sensor



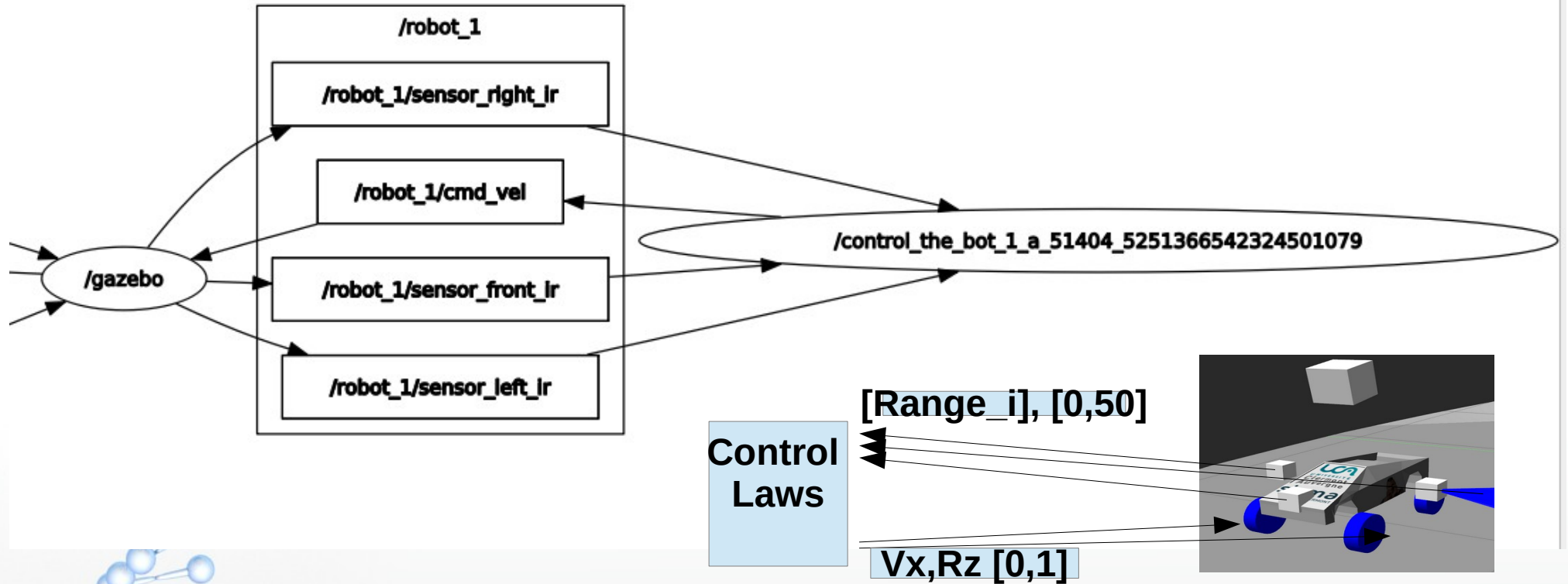
Car's sensors



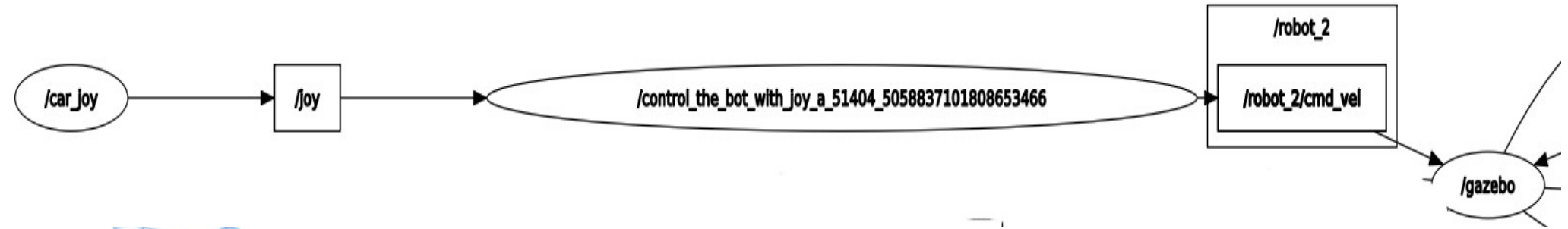
Car control



Car control

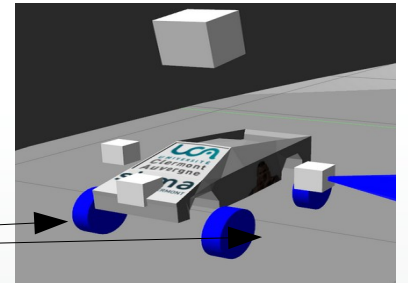


Car control



Joy
control

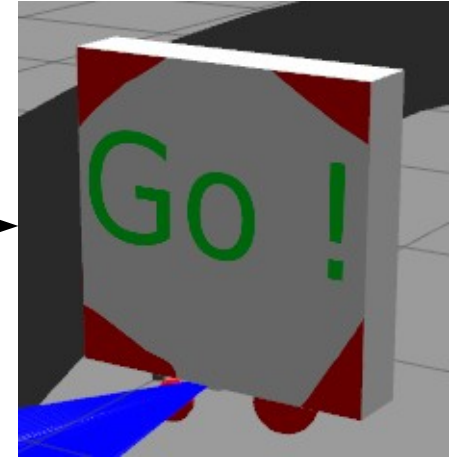
$V_x, R_z [0,1]$



Control panel

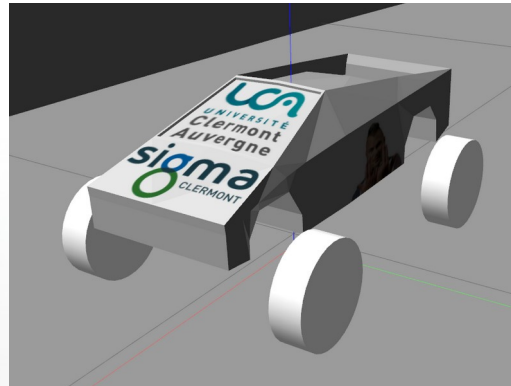
Start the race

Detect the winner



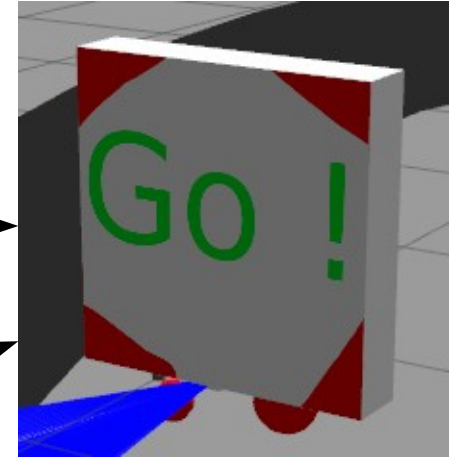
Control panel

Start the race

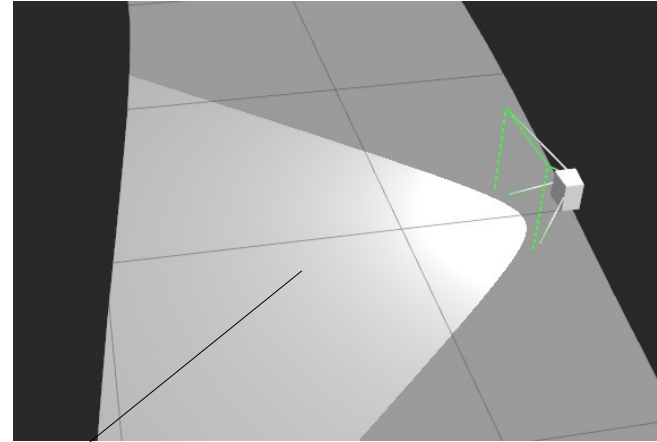
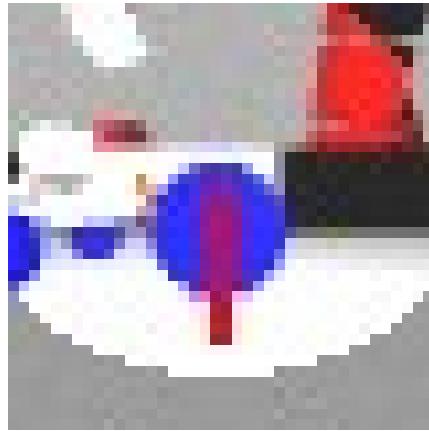


Start ?

True / False



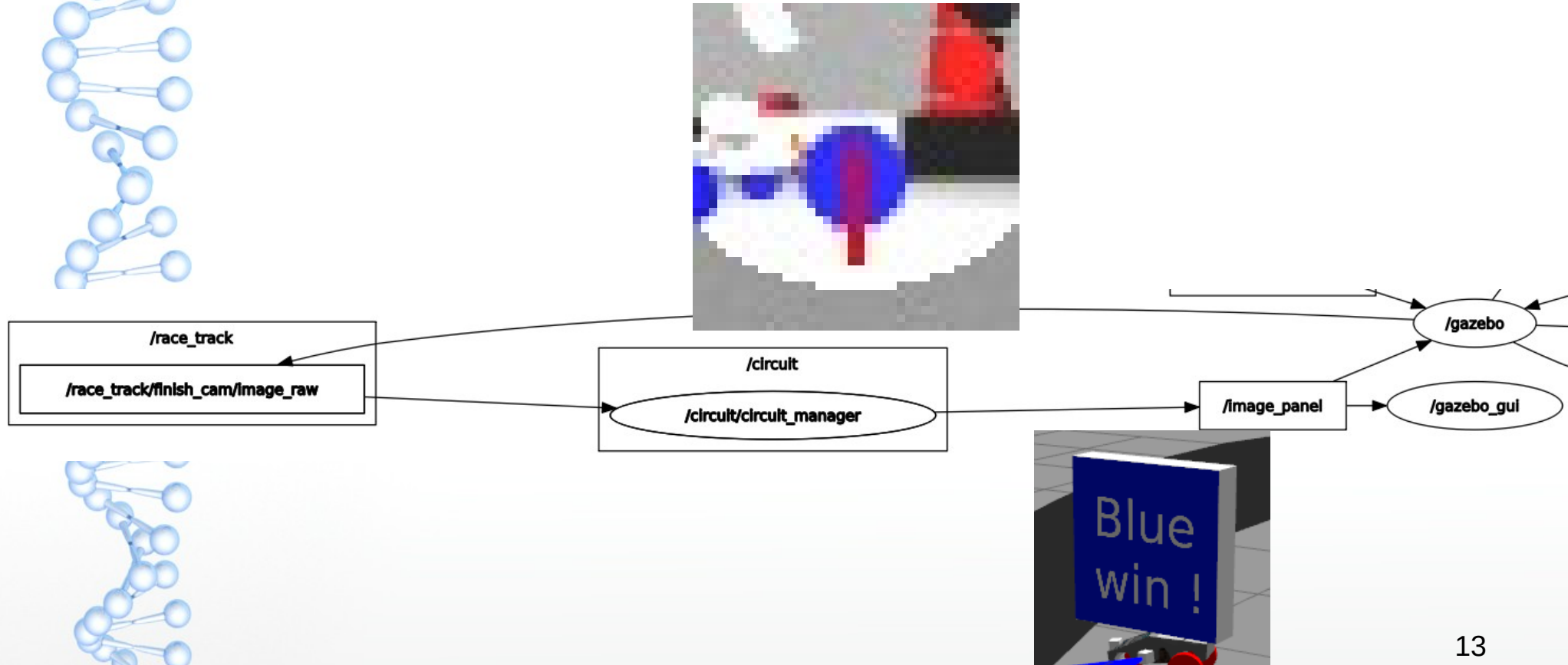
Control panel



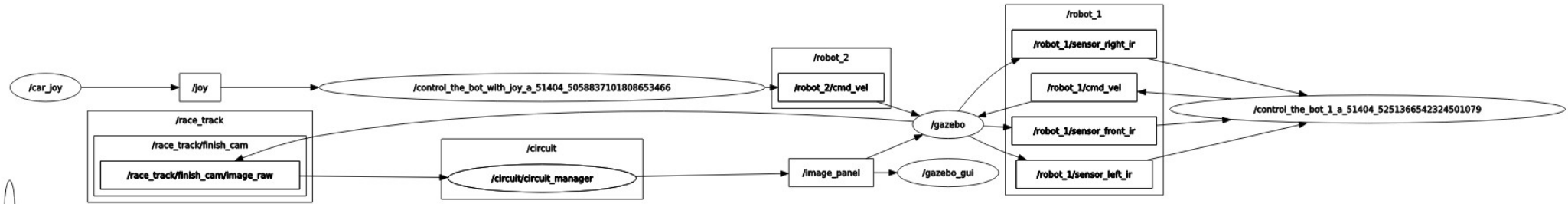
Detect the winner



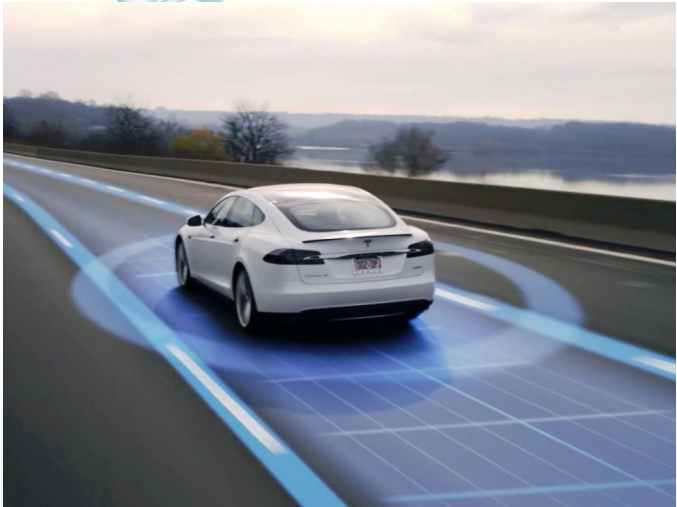
Control panel



Final rqt graph



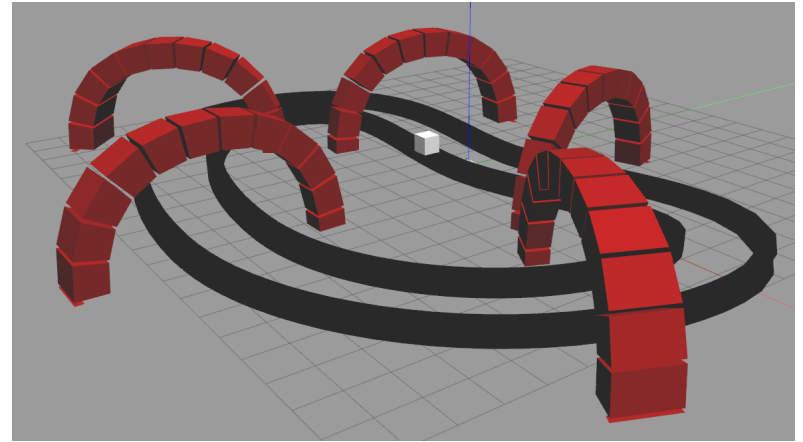
Conclusion



Questions ?

sigma
CLERMONT

UCA
UNIVERSITÉ
Clermont
Auvergne



CHUPIN Clément
GUIGES Enzo