```
??
   ??
   _{ple\_room}^{sim\text{-}}
 4m×

4m×

1.5m

77

Froom.png
   arena.jpgP.A.N.D.O.R.A.
  R_{ideal}
R_{sim}
R_{real}
R_{f} - \delta_{r}
 \begin{array}{l} \underline{steering_experiment.png} \\ \underline{steering_experiment_real.png} \\ \underline{\delta_f} \\ \delta_f \\ \delta_f \\ \delta_f \\ \delta_r \\ \\ \beta_{ideal} \\ \beta_{sim} \\ \underline{\beta_{real}} \\ \underline{\gamma_{real}} \\ \underline{\gamma_{real}} \end{array} 
             teering_experiment.png
                             teering_experiment.png
  teering_experiment_real.png??
  \begin{array}{c} 4m \\ 0.04m \\ robocup \end{array}
  \label{eq:control_control} \begin{split} & \vdots \\ & _{r}obocup_{g}round_{t}ruth.png[CRSM-\\ & SLAM][width=0.31height=5cm]Chapters/Chapter5/Figures/stdr_{r}obocup_{c}rsm.png[Gmapping][width=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0.31height=0
   ??
   ??
  \begin{array}{l} \vdots\\ ramp.png[-\\ .][width=0.32height=3.5cm]Chapters/Chapter5/Figures/stepfield.png, Monstertruck. \end{array}
  \frac{15^o}{??}
   _{c}rsm_{m}ap.png
                                                                                                                                                                                       [Gmapping.] [height=5cm] Chapters/Chapter5/Figures/csal_gmapping_map.png,, ... \\
   _{2}013_{a}rena_{f}lat.png
   _{a}rena_{f}lat_{c}rsm_{m}ap.png
   arena_f lat_g mapping_m ap.png Robo Cup Rescue 2013.
  {algorithm} {alg
```