

design.PNG[fig.gazeboStructure]GAZEBOGAZEBOFigGAZEBOsystemdiagram

```
robot" ><
linkname =
chassis" ><
pose >
00.1000 <
/pose ><
collisionname =
collision" ><
geometry ><
box ><
size >
.4.2.1 <
/size ><
/box ><
/geometry ><
/collision >
collision' ><
pose >
-0.150-
0.05000 <
/pose ><
geometry ><
sphere ><
radius >
.05 <
/radius ><
/sphere ><
/geometry >
visual' ><
pose >
-0.150-
0.05000 <
/pose ><
geometry ><
sphere ><
radius >
.05 <
/radius ><
/sphere ><
/geometry ><
/visual ><
/link ><
linkname =
"left_wheel" ><
pose >
0.10.130.101.57071.5707 <
/pose ><
collisionname =
collision" ><
geometry ><
cylinder ><
radius >
.1 <
/radius ><
length >
.05 <
/length ><
/cylinder ><
/geometry ><
/collision ><
visualname =
visual" ><
geometry ><
cylinder ><
radius >
.1 <
/radius ><
length >
.05 <
/length ><
/cylinder ><
/geometry ><
/visual ><
/link >
wheel" ><
pose >
0.1-
0.130.101.57071.5707 <
/pose ><
collisionname =
collision" ><
geometry ><
cylinder ><
radius >
.1 <
/radius ><
length >
.05 <
/length ><
```