

package myPackage


imports

IOperations


O cmd_vel(msg: Twist)

IEvents

⚡ scan: Seq(real)


 Twist

linear: Vector3
angular: Vector3


 TurtleBot


P IOperations
i IEvents


scan: Seq(real)

 Module

scan: Seq(real)

 *ref myPackage::TurtleBot*

 *ref myPackage::Driving*

 Vector3

x: real
y: real
z: real

IMove

O move(lvel: real, avel: real)


O move(lvel: real, avel: real)

R IOperations


i

/cmd_vel(Twist(|linear = Vector3(|x = lvel, y = 0, z = 0|),
angular = Vector3(|x = 0, y = 0, z = avel|)|))

F

 Driving

R IOperations

 TurtleBot3FSMRC

R IOperations
R IMove
π lvel: real, avel: real
L C

i

/#C

entry move(lvel, 0)

↓ [since(C)>=4]/#C

Turning

entry move(0, avel)

↑ [since(C)>1]/#C

O *move(lvel: real, avel: real)*