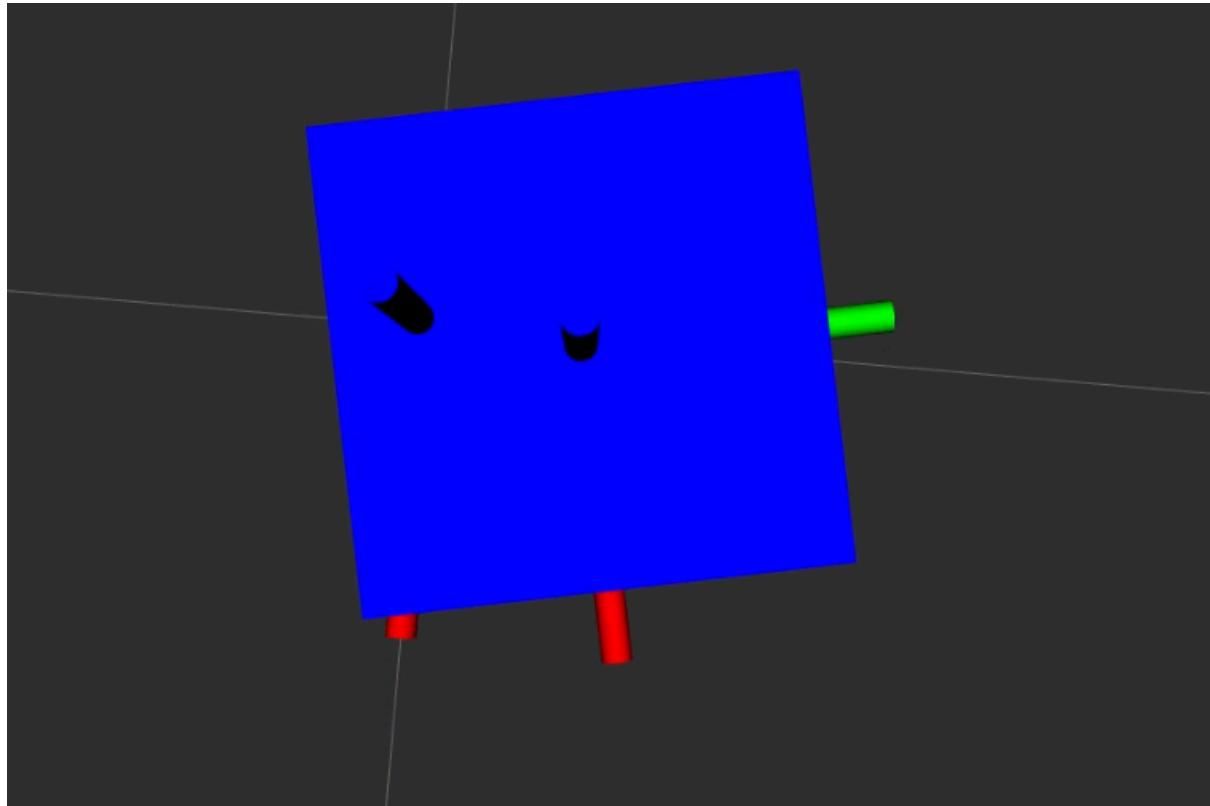


# System Test for Odometry Sim

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This document details the testing we have performed for our package solution.

# Mecanum wheel directions for testing

MECANUM WHEEL PRIMAL DIRECTIONS

Direction	FL	FR	RL	RR
FORWARD	+	+	+	+
RIGHT	+	-	-	+
ROTATE (CW)	+	-	+	-

## Node/Unit Tests

Does every Unit work?

The unit tests can be found in separate pdf files in the “node-tests” folder.

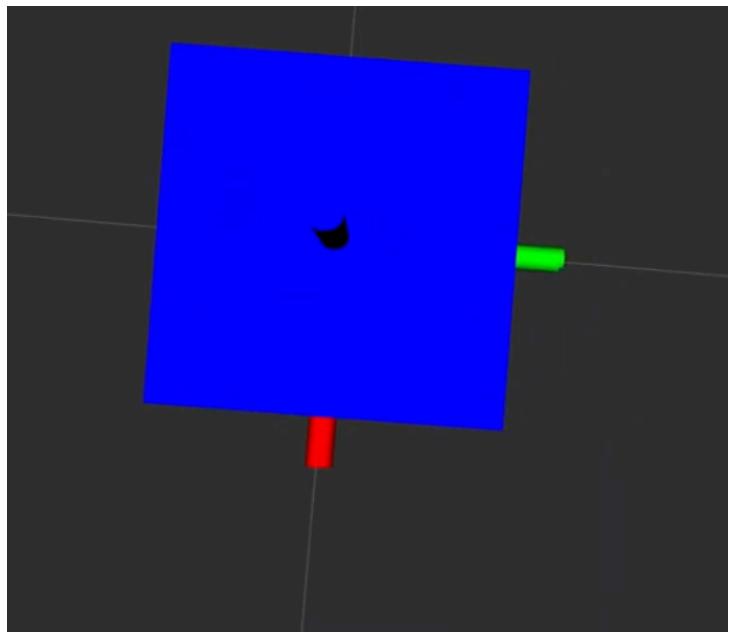
## System Test/Integration test

Does the entire system work together?

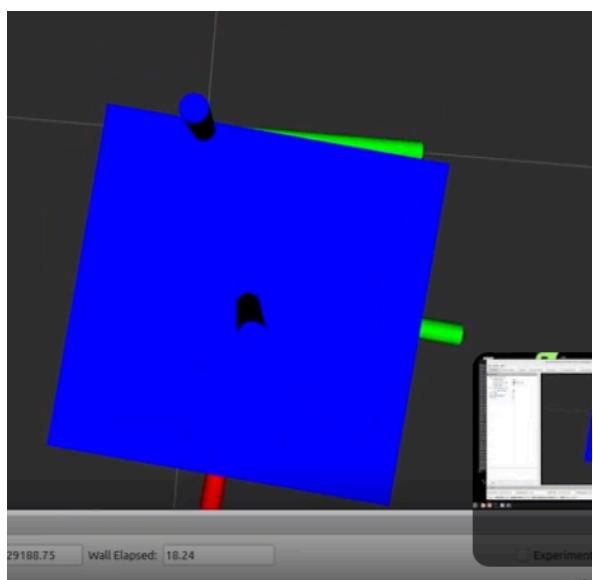
Expected output for whole system:

Rviz2 starts up, and shows a visualisation of the position data, currently configured in a diamond/square shape.

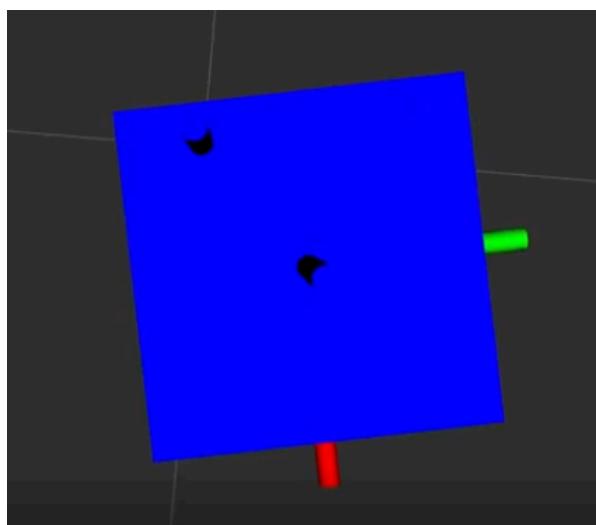
Real output, simple visualisation mecanum wheel data  
(30-11-2025):



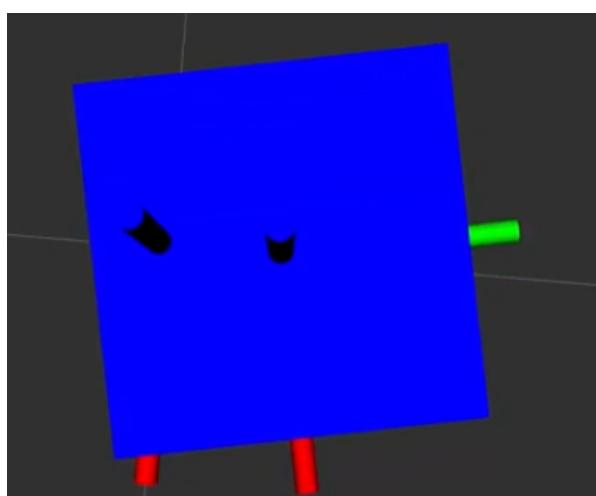
Start



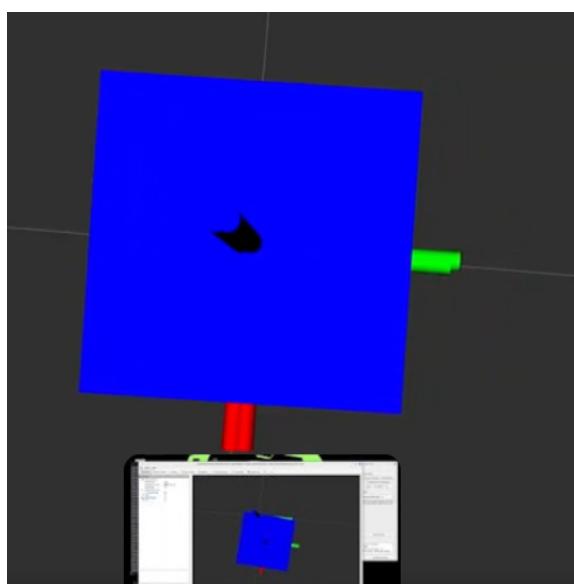
First corner



Second corner



Third corner



Back to beginning