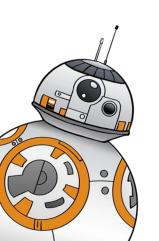
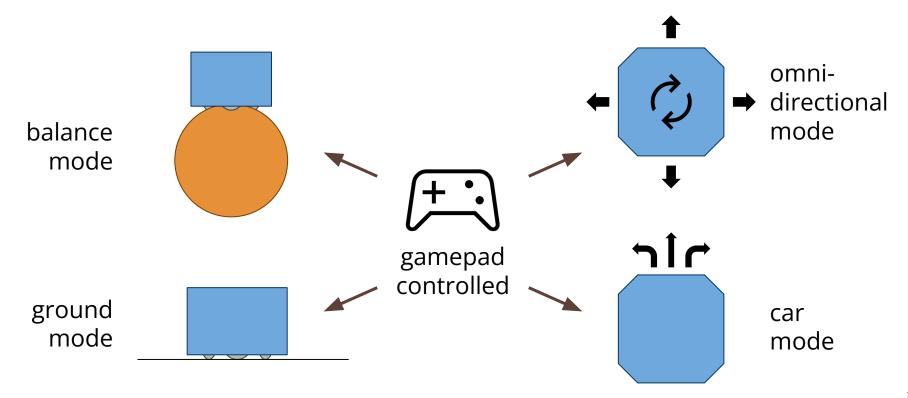
BALL-E

A Ball Balancing Robot

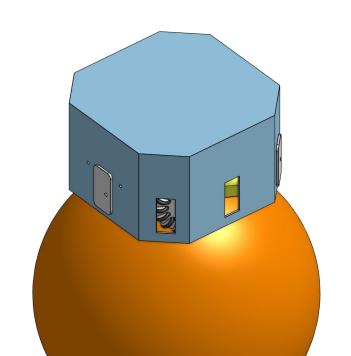


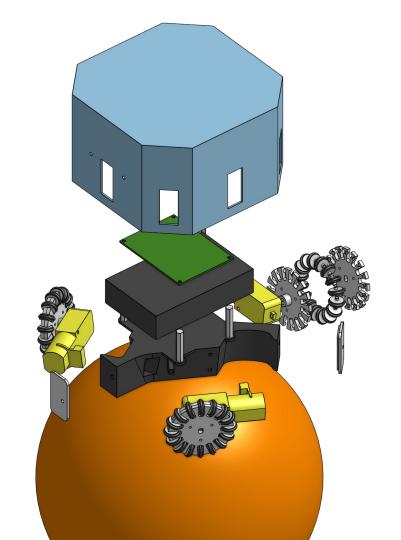


How Can It Move?



What's Inside?





What's Inside?





Electronics



AltIMU-10 v6 *Orientation*



Raspberry Pi Pico W *Processing*

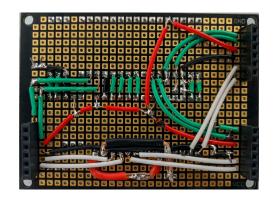




2 x DF-DRI0044 *Motor Driver*



3x GoPiGo3 Motor *Movement*



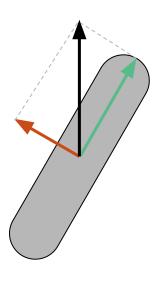
22x26 Protoboard *Connections*

How Does It Work?

Omnidirectional Movement





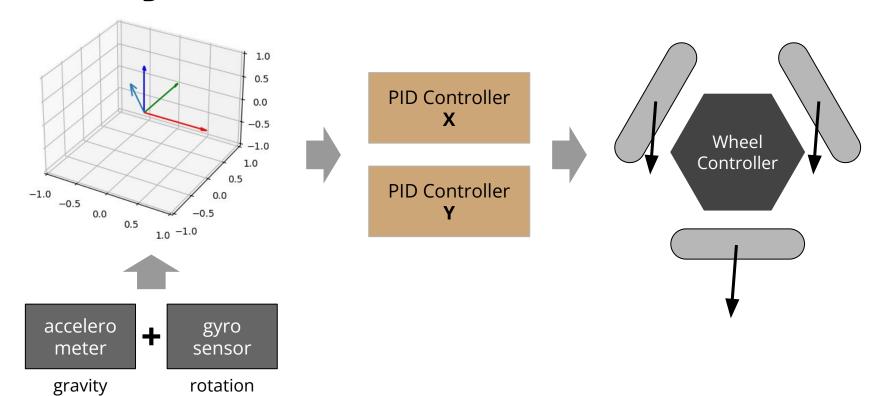




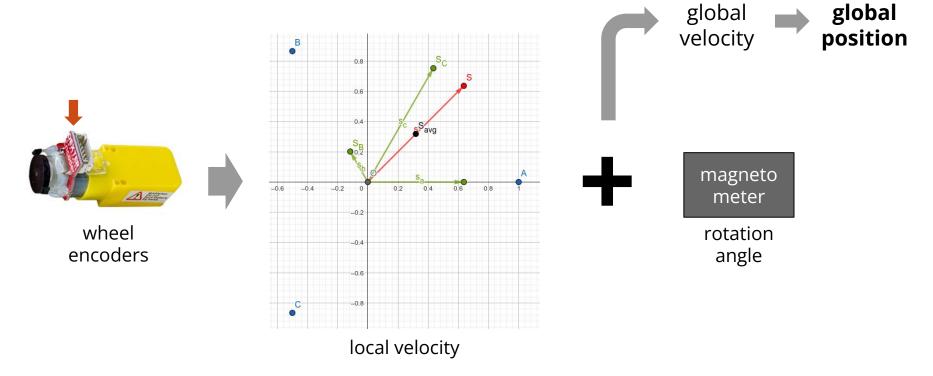
Balancing

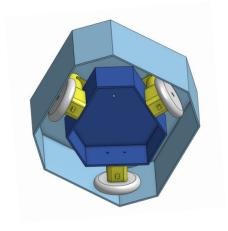
direction

integration



Position Tracking





Questions?

