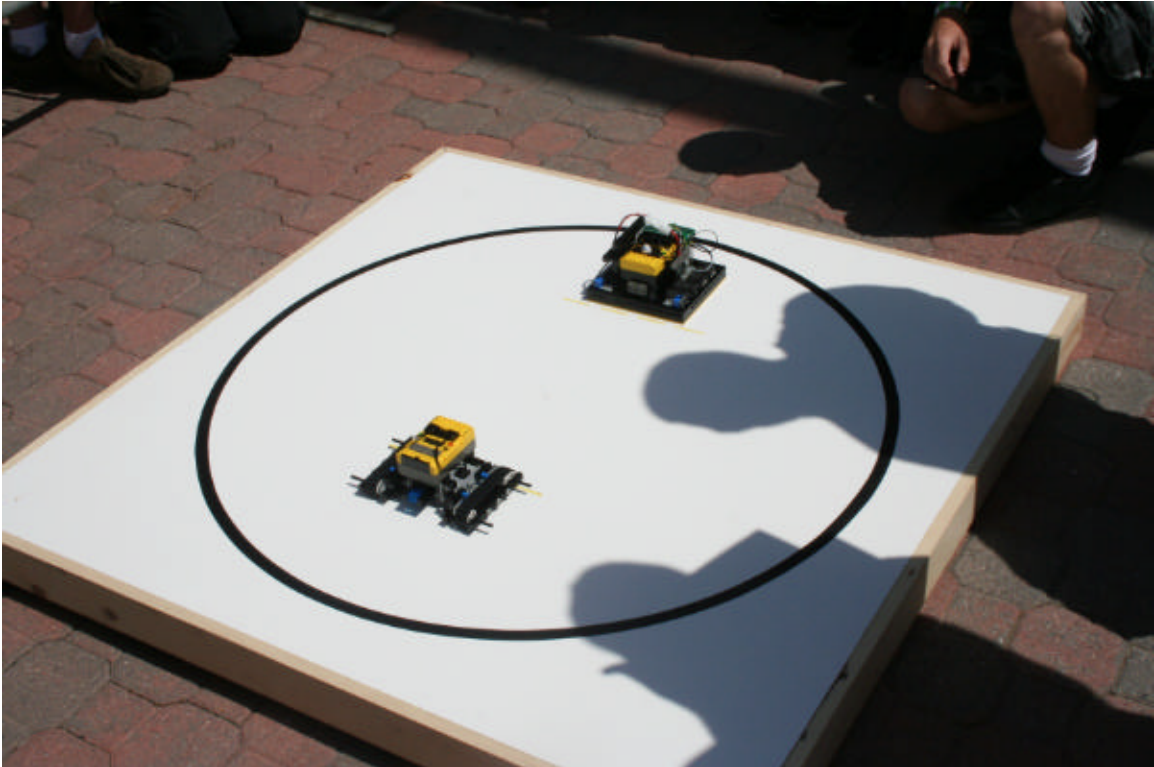
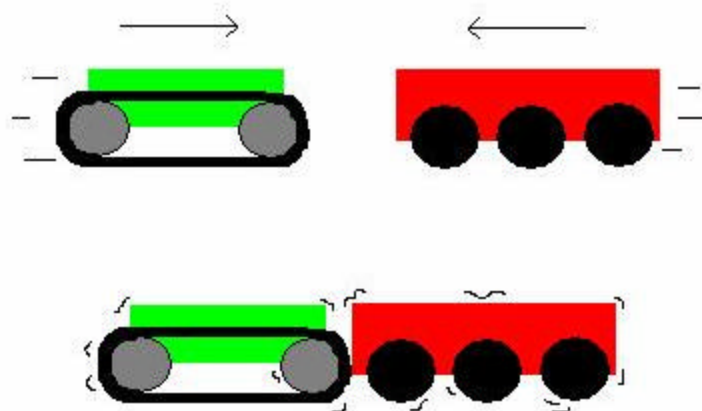


Sumobot Uses:

Sumobot is a fun competition where people make robots to push other robots out of a circle arena like traditional sumo wrestling. There are a lot of strategies and tactics that can be used with this competition and the current sensor will give you an important edge. The ability to monitor your motors and react when they undergo strain can be invaluable.



One common occurrence in sumobot is when two robots end up in a head to head push and shove. When this happens you hope your robot is pushing harder than the other one, but that is not always the case. Sometimes two robots end up hopelessly staled out or push each other at a snails pace, with no hope of wining by the time the clock runs out.



Using the current sensor, you can monitor your motors and detect when you're in a hopeless shoving match and make evasive maneuvers to push your opponents out of the arena from a different angle. Fast robots with little gearing will find the current sensor invaluable and can then use their momentum to push robots out from better angles of attack.

Slow robots with a lot of power can use the current sensor as a safety check, and when your robot is pushing it will not activate code loops that will interfere with your pushing. For example, robots who have infrared object detectors can have their robot look for the other robot, but when it starts pushing a robot you don't want to run the look code anymore or your opponent might get loose and get away from your pushing power.

The current sensor is great at confirming if you are pushing or not and how hard. The current sensor gives a whole new sense to your robot and allows the robot to make better more intelligent decisions and strategies possible.