



Horseless To Driverless

Future Vehicle Control?




**DARPA 2005
GRAND CHALLENGE
132 MILE DESERT RUN**

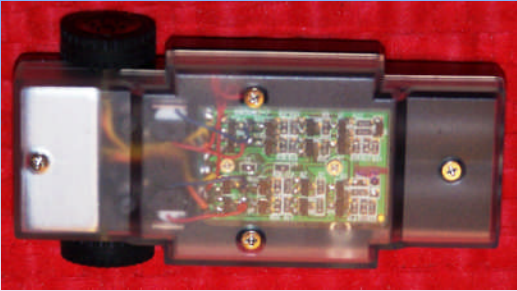


**DARPA 2007
URBAN CHALLENGE
60 MILE URBAN RUN**

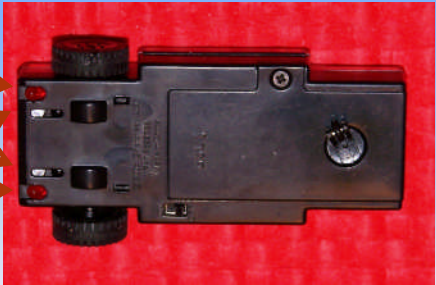
Future City Infrastructure



Line Chaserz Car Circuits



Line Chaserz Car Sensors



Line Skating Control



When you skate following line, how do you keep over line?

Line Control Algorithm

```

    graph TD
      START --> Decision{ }
      Decision --> Right[IF (RIGHT WHEEL APPROACHES LINE, STEER RIGHT)]
      Decision --> Left[IF (LEFT WHEEL APPROACHES LINE, STEER LEFT)]
      Decision --> Straight[OTHERWISE PROCEED STRAIGHT]
  
```