

Locomotion and Kinematics

6 Legs



2 Legs



1 Leg



6 Wheels



Science Fiction



2-wheel configurations

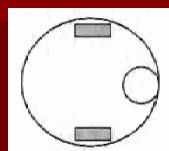


Bicycle
Dynamically Stable

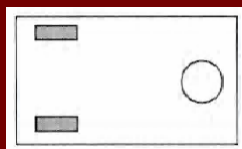


2-wheel differential drive
Dynamically Stable /
Statically stable with low COM

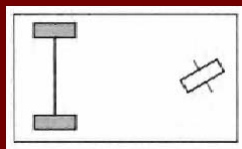
3-wheel Configurations



2-wheel differential drive with 3rd
point of contact.
Statically stable

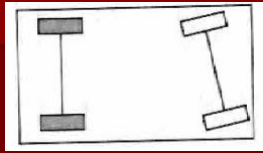


2 independently driven wheels
1 omnidirectional wheel

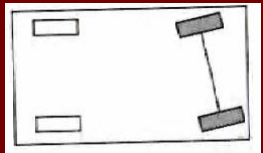


2 connected traction wheels
1 steering wheel

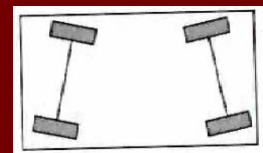
4-wheel configurations



Rear-wheel drive



Front-wheel drive



4-wheel drive