

Sarcos Humanoid

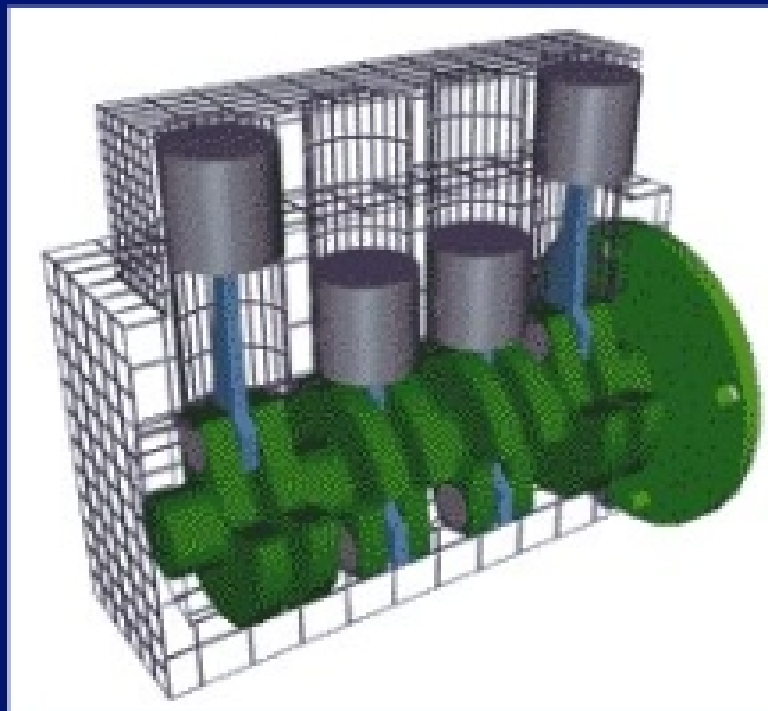
Animation CS 551 / 651

Kinematics *Lecture 09*



Kinematics

The study of object movements irrespective of their speed or style of movement

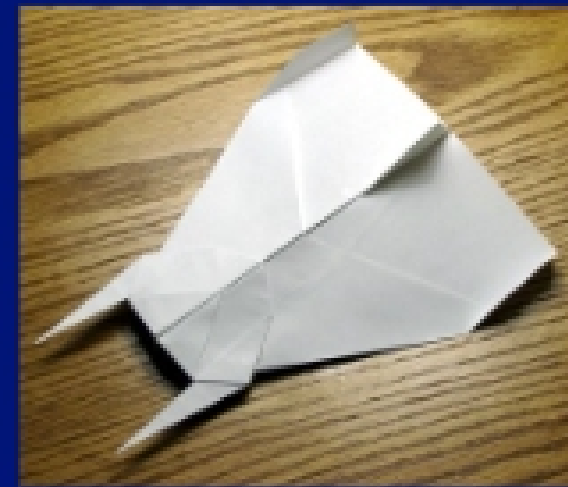


Degrees of Freedom (DOFs)



The variables that affect an object's orientation

How many degrees of freedom when flying?



- So the kinematics of this airplane permit movement anywhere in three dimensions
- Six
 - x, y, and z positions
 - roll, pitch, and yaw