



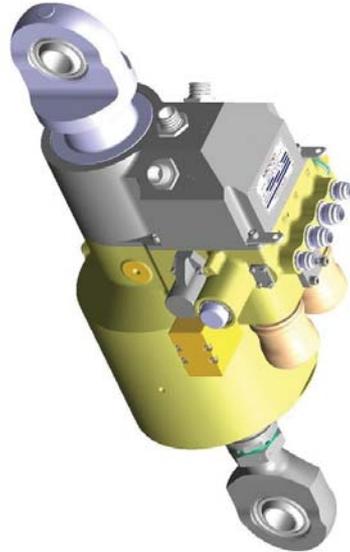
# Thrust Vector Control Desktop Learning Center

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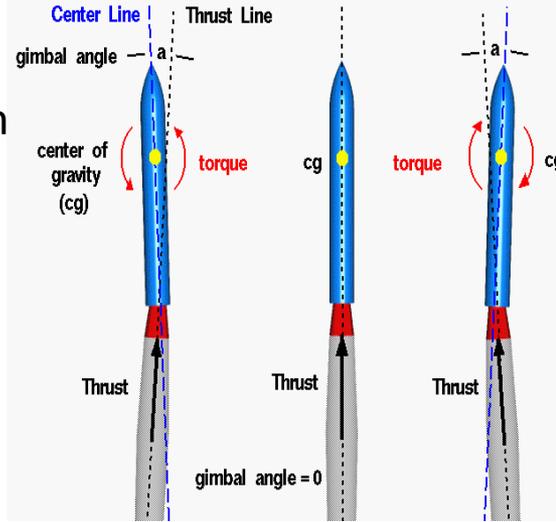
## Background

- Thrust Vector Control (TVC) is crucial for successful spaceflight
- TVC is used to control the nozzle during flight to vector the thrust as needed



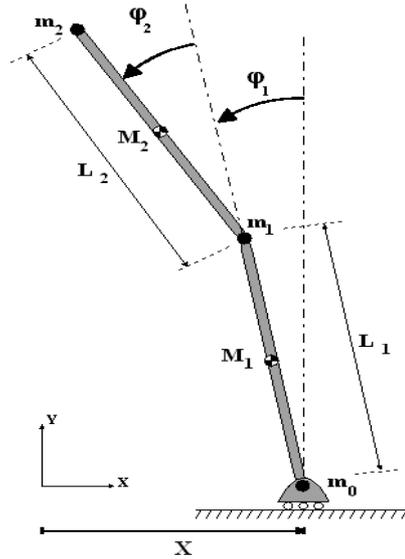
## Methodology

- Construct a 2-D inverted pendulum and control mechanism
- Write code to balance the pendulum in 2 directions when disturbed



## Objective(s)

- Design and construct a desktop TVC simulator to help educate people about TVC
- Create an explanatory presentation to go with simulator



## Acknowledgements

- Mike Ise (Mentor)
  - NASA MSFC, ER30 Division Chief
- Blake Stuart (Mentor)
  - Jacobs ESTS Group, ER35
- David Young (Mentor)
  - Raytheon, ER35