



Virtual Lab Activity 5.1

Stability

- 1. Observe** Watch the stability animation in which each box has a different center of mass. Record the open and closed loop system components. Use this information to explain stability. Compare and contrast the affect stability has on the design of common household appliances and furniture.

- 2. Execute** Using the stability model, imagine that you are creating a model of a common household appliance or piece of furniture. Using the closed loop system, list the considerations and components you would need to include when creating something that is both functional and safe. Consider the similarities and differences of an open loop system, a closed loop system, and stability. Explain how knowing these similarities and differences makes engineering design and problem-solving more efficient.
