

**Problem 5 (Debugging Simscape)**

☑ In this model, there is no solid object (with non-zero mass) between the revolute joint (*Revolute Joint 1* in the model) and the spherical joint. This leads to non-deterministic accelerations in these joints about the common axis of rotation. Adding a small mass would resolve the error.

Notice the torque input to the revolute joint between the Solids that is coupled to the angle rate at the other joint. This torque provides energy input or damping to the model and, hence, the system is not energetically conservative.