

Due September 17, 12:00pm (Upload your answers to the D2L submission folder)

1. What concepts or ideas from this reading do you have questions about? These can be concepts that you didn't understand or would like to learn more about. For each concept, write a few sentences that describe the concept as best you can and include your questions about the concept.
2. If your generalized coordinates are angles, what will be the units of the generalized velocity and force?
3. Two identical particles are constrained to move on the surface of a sphere of radius R , as shown above. The particles are also connected by a rigid rod of length L . How many constraints are there? Write down the equations for the constraints. Are the constraints holonomic? How many degrees of freedom does this system have?