

Due November 12, 12:00pm

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. In the discussion following Equation (5.38), Hamill writes "Thus, the Hamiltonian is the generator of the motion of the system in time; it generates the canonical variables at a later time". Where does this come from? Why is it true?
3. What is the interpretation of Liouville's theorem? What does it tell us about Hamiltonian systems?