Physics 440, Autumn 2019   **Reading Quiz 6 (4.1-4.7)**

Due October 22, 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. On pages 99–100, Hamill derives the equation $\partial H/\partial t = \mathrm{d}H/\mathrm{d}t$. What does this equation mean? What does "not an explicit function of time" mean?
3. On page 102, Hamill states that trajectories can cross in configuration space, but never cross in phase space. Explain in your own words why this is true.