

AA 218 - Homework 7

Spring 2018

Nominal Due Date May 28

Read Chapters 12 and 13

Carefully read section 12.3. Confirm for yourself the results in section 12.3.1. Run the notebook **Sec_12.1_Comp_Euler_isen_3d.nb** in the **Chapter_12_Compressible_flow** folder. Identify the symmetry group corresponding to equation 12.32. Try to reconstruct the finite form of this group by summing the Lie series. If you cannot access Mathematica I do plan to put a pdf of this notebook on my website.

Complete EXERCISES 13.4 and 13.5