ASTR 670: Interstellar medium and gas dynamics

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Chapter 3 • Equilibrium and steady flows

Recap: Euler equations

The Euler Equations



Adiabatic and steady flows

Adiabatic compression



Boyd Edwards (<u>youtube</u>)

Venturi Tube



Bernoulli at home









<u>cradle-cfg.com</u>





Boundary layers

Boundary layer experiment



Boundary layer simulation



Reading

- Recommended: CC §4.2, §5.1-3, §9.1
- Additional: Shu §5, §6