PHYS 2106
Bennington College
Spring 2026

Problem Set #9

Due Friday, May 22 by 5pm to Dickinson 104

Unless otherwise indicated, all problems come from "The Cosmic Perspective," 8e

1. Problem 21.40 *The Color of an Elliptical Galaxy*
2. Problem 21.49 *The Black Hole in M31*
3. Problem 21.51 *Stars and Clouds in Colliding Galaxies*
4. Problem 20.50 *Redshift and Hubble's Law*
5. Problem 20.54 *Stretching of the Universe*
6. Problem 23.46 *Dark Energy and Supernova Brightness*
7. Problem 22.43 *"Observing" the Early Universe*
8. Problem 22.49 *Expansion Since the Era of Nucleosynthesis*