

PHY250 Homework 3

Due: May 12

1. Write a code which finds the lensing clusters in the data available on the course website. It will be graded on clarity rather than speed, so please make it readable and add comments to help me follow it. You may choose any approach you wish. Turn in (a) the code, and (b) a ranked list of clusters and their positions.

2. How did you rank the clusters in problem 1? Imagine that you now get new information about the redshifts of the top four clusters: they are at $z = 0.1, 0.3, 0.5$, and 0.7 , respectively. Your sources are all at $z = 1$. How would you rank the clusters now? Justify your ranking.