

1 Weekly main assignment for week 2 AST3220

Prepare for class (to be discussed in plenary)

Draw what a triangle would look like in a flat space, a positively curved space and in a negatively curved space.

What conclusions will this enable you to draw for the angular resolution (size seen) of objects (for instance stars or galaxies) in the three types of spaces? Where would they appear smaller? Larger? Try to make a drawing to explain your reasoning.

Prepare or at least look at before class

Exercises 1.2 and 1.3 from the lecture notes.