

KSP 5.0 - Star Clusters and Galaxy Evolution

Week 1:

Read up on the following topics

1. Galaxy morphology (classification + typical features of spiral galaxies)
2. Colour-magnitude diagrams for stars and stellar evolutionary tracks
3. Star clusters and their types - open and globular
4. Photometry: aperture and PSF
5. Dust extinction in galaxies
6. A good reference on galaxies -
https://drive.google.com/file/d/1yidKxHYMDV7GV8exUepRD55_nyUAAtdo/view?usp=sharing

Optional - Look up Hubble's pixel scale, typical radii of star clusters and typical distances for nearby face-on spiral galaxies. Try to get a rough estimate of what radius (in pixels) should our aperture be for photometry.