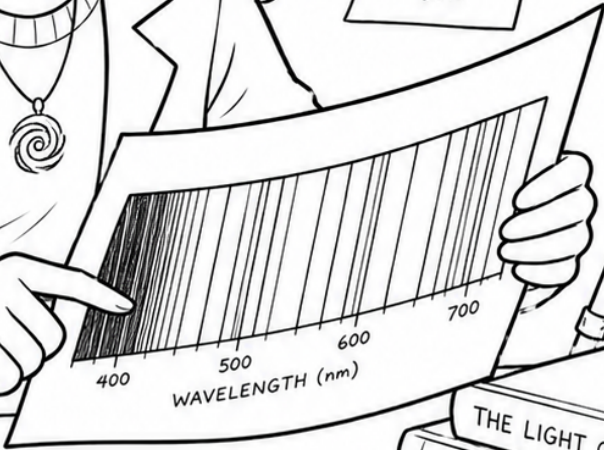




ASTROPHYSICS
COSMOLOGY
STARS AND GALAXIES

- To Do:
- Redshift
 - HR Diagram
 - Exoplanet Data



Hydrogen Emission Lines
Balmer Series
 $\frac{1}{\lambda} = R \left(\frac{1}{2^2} - \frac{1}{n^2} \right)$

Stellar Classification
O B A F G K M

hot cool

Luminosity
 $L = 4\pi R^2 \sigma T^4$ ★

THE LIGHT OF STARS
GALACTIC STRUCTURE
BLACK HOLES

