
STELLAR SPECTRUM
To Do:
• Redshift
• HR Diagram
• Exoplanet Data
ASTROPHYSICS
COSMOLOGY
400
500
600
700
WAVELENGTH (nm)
THE LIGHT OF STARS
GALACTIC STRUCTURE
BLACK HOLES
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
$L = 4\pi R^2 \sigma T^4$
Flux
Wavelength

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