

Teoretična astrofizika

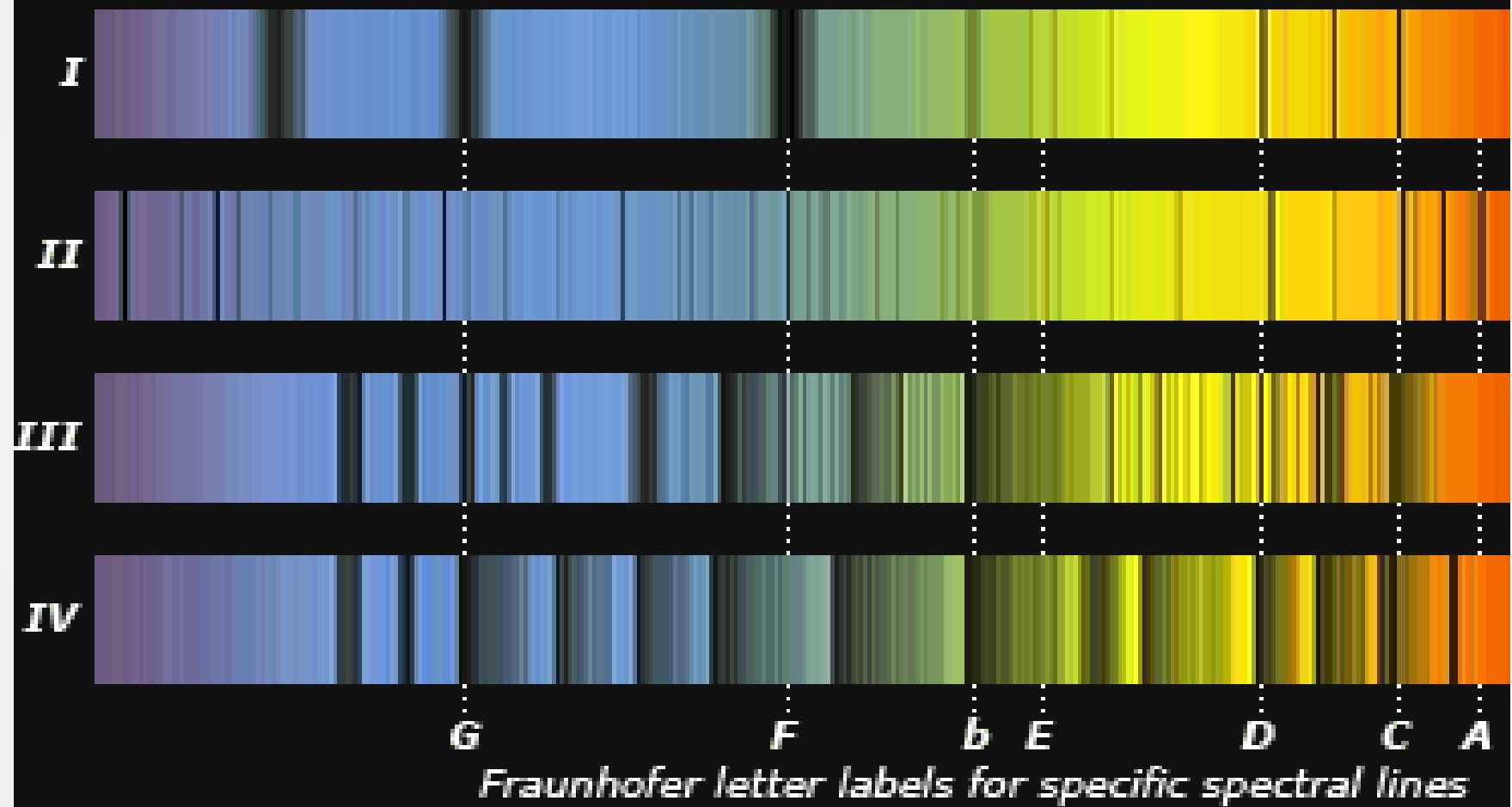
razumevanje stanja in razvoja zvezd ter njihove okolice

Atmosfere zvezd

Osnovne definicije

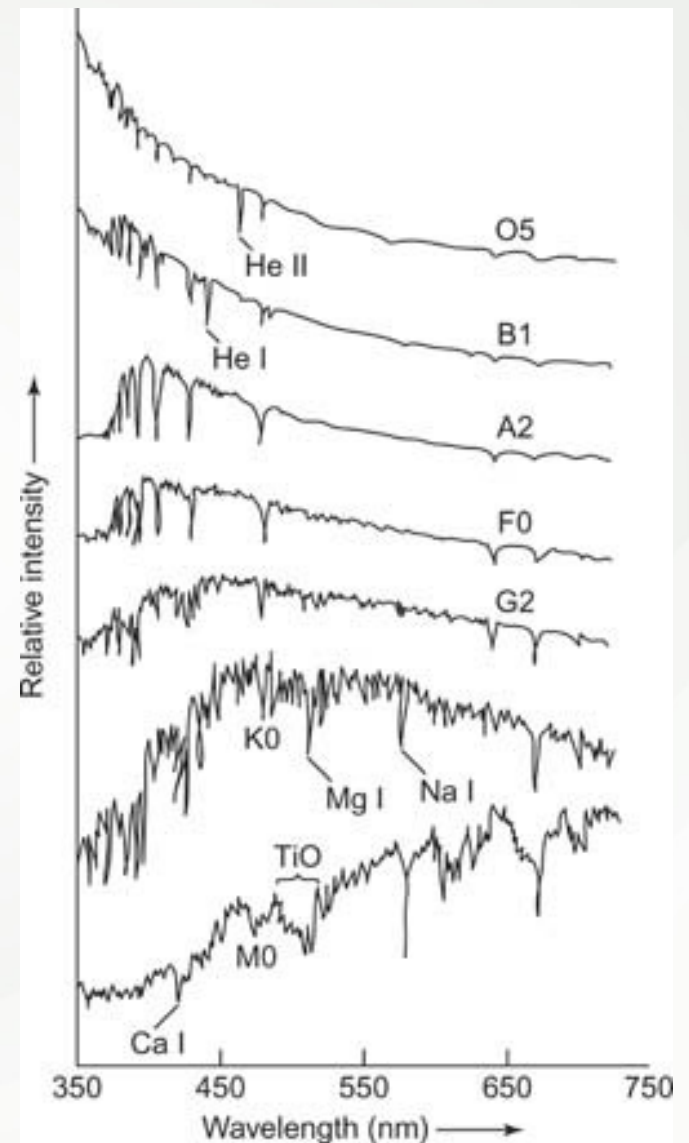
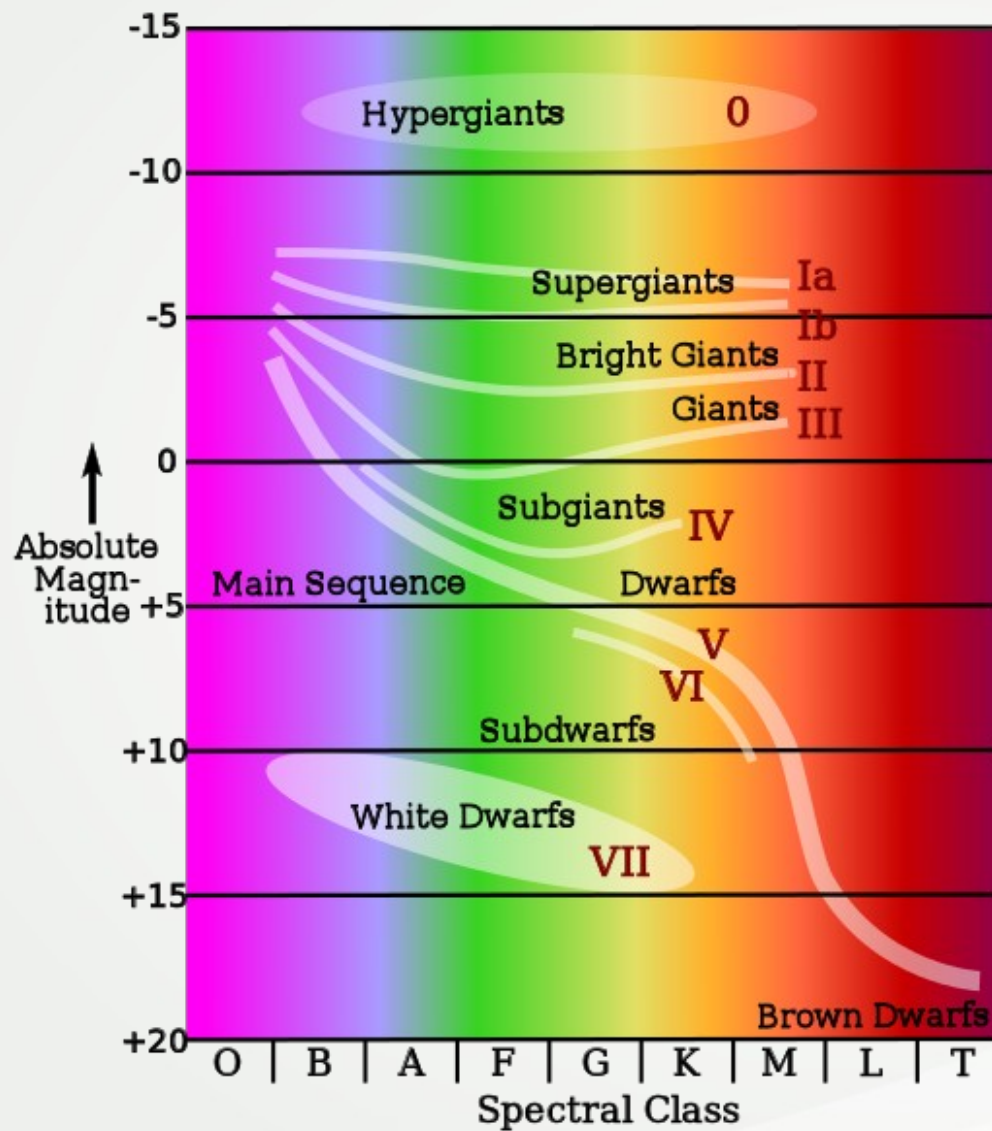
slovenščina	angleščina	enote	formula	
(površinska) svetlost ali specifična intenziteta	specific intensity	$\left[\frac{J}{s m^3} \frac{1}{sr} \right]$	$I_{\lambda} = \frac{E_{\lambda} d\lambda}{d\lambda dt dA \cos \theta d\Omega}$	
povprečna intenziteta	mean intensity	$\left[\frac{J}{s m^2} \frac{1}{Hz} \right]$		
sevalni tok	radiation flux	$\left[\frac{J}{s m^2} \frac{1}{sr Hz} \right]$		
	moments of intensity			
gostota sevalne energije	radiation energy density	$\left[\frac{J}{m^3} \frac{1}{Hz} \right]$		
sevalni tlak	radiation pressure	$\left[\frac{J}{m^3} \frac{1}{Hz} \right]$		

19th century diagram of the four Secchi type spectra





Annie Jump Cannon (1863-1941) (*slika Harvard-Smithsonian Center for Astrophysics*)



Sun's Spectrum vs. Thermal Radiator

of a single temperature $T = 5777 \text{ K}$

