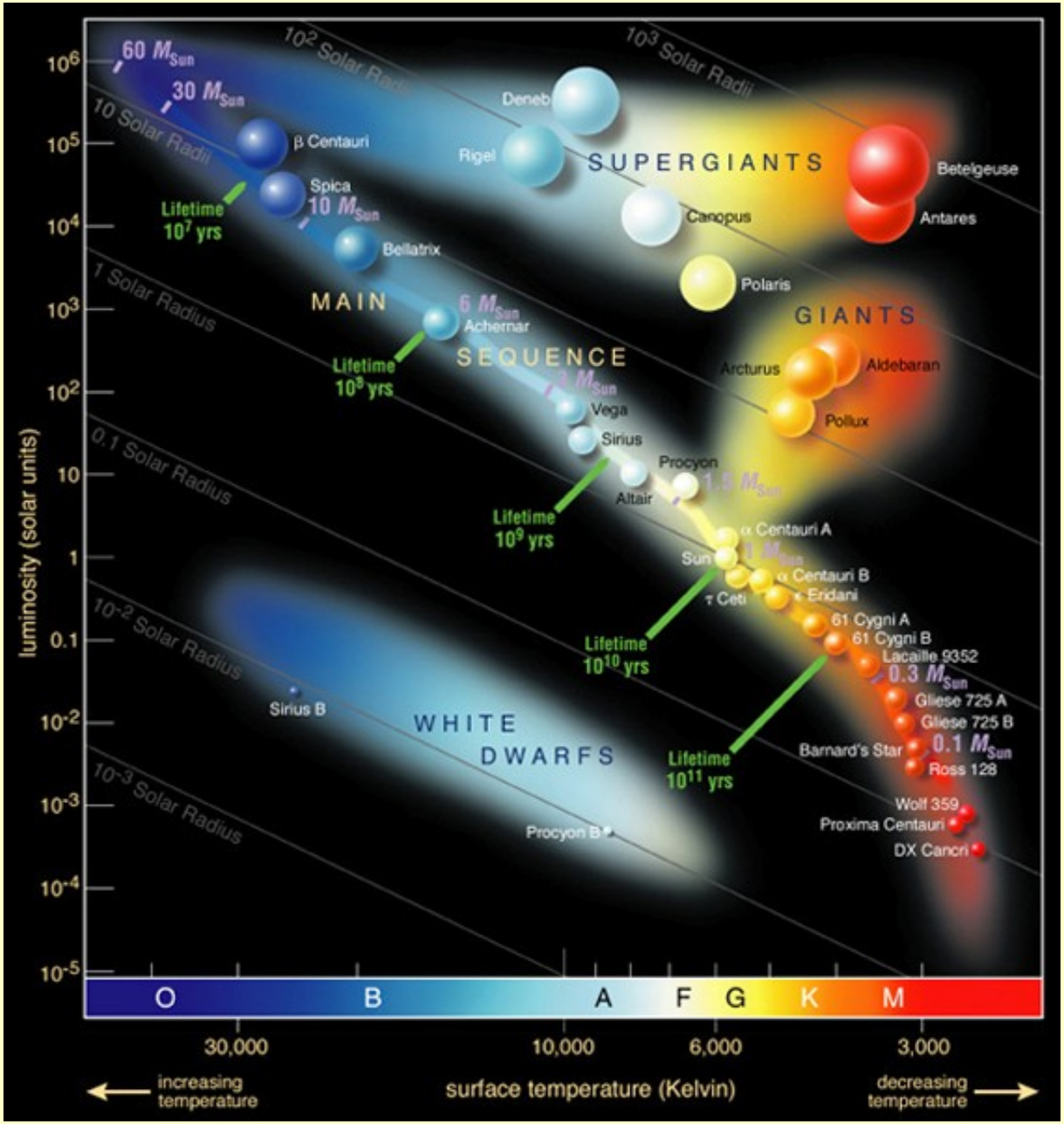
Hertzsprung-Russel diagram

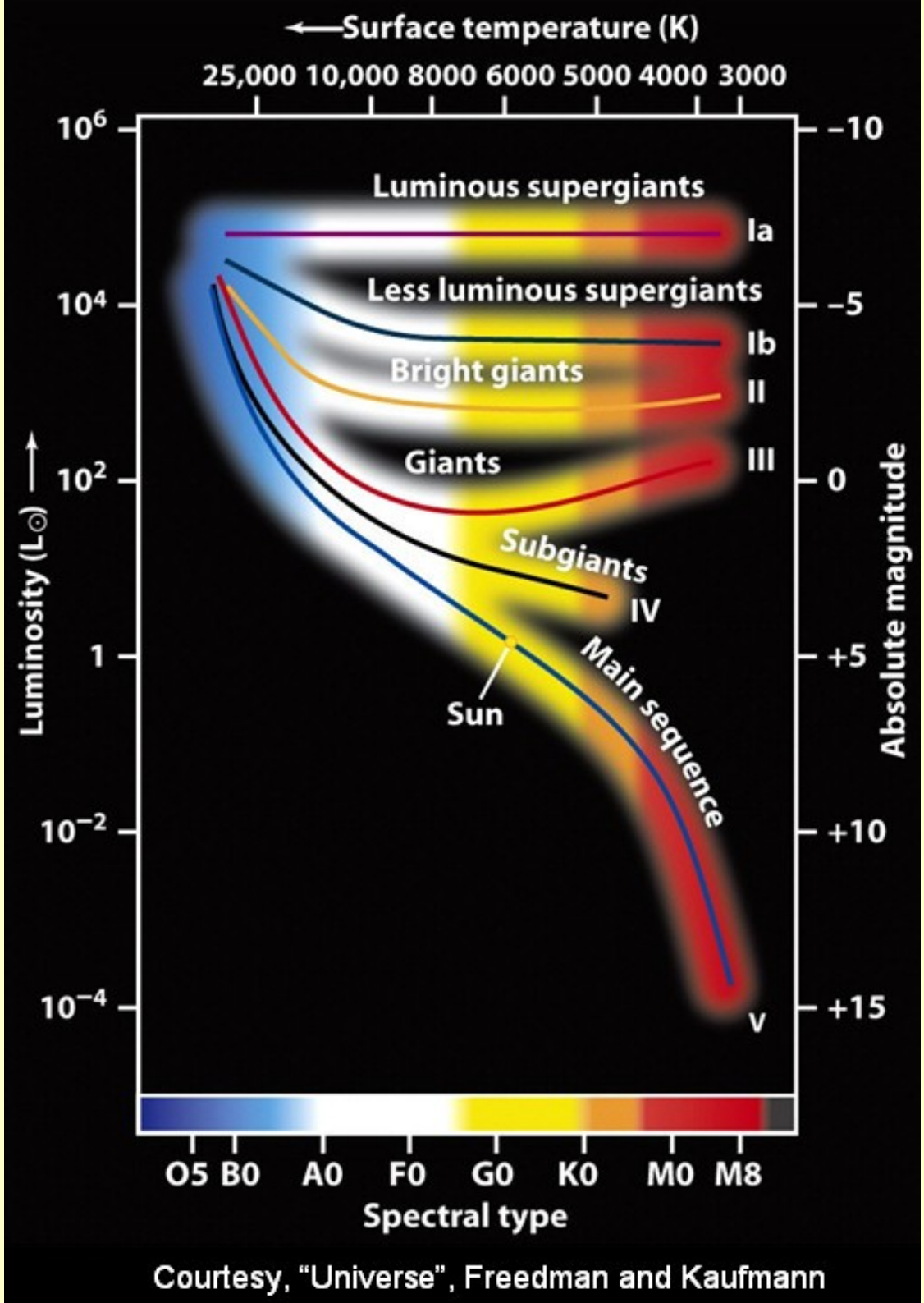
An HR diagram showing many well known stars in the Milky Way galaxy.



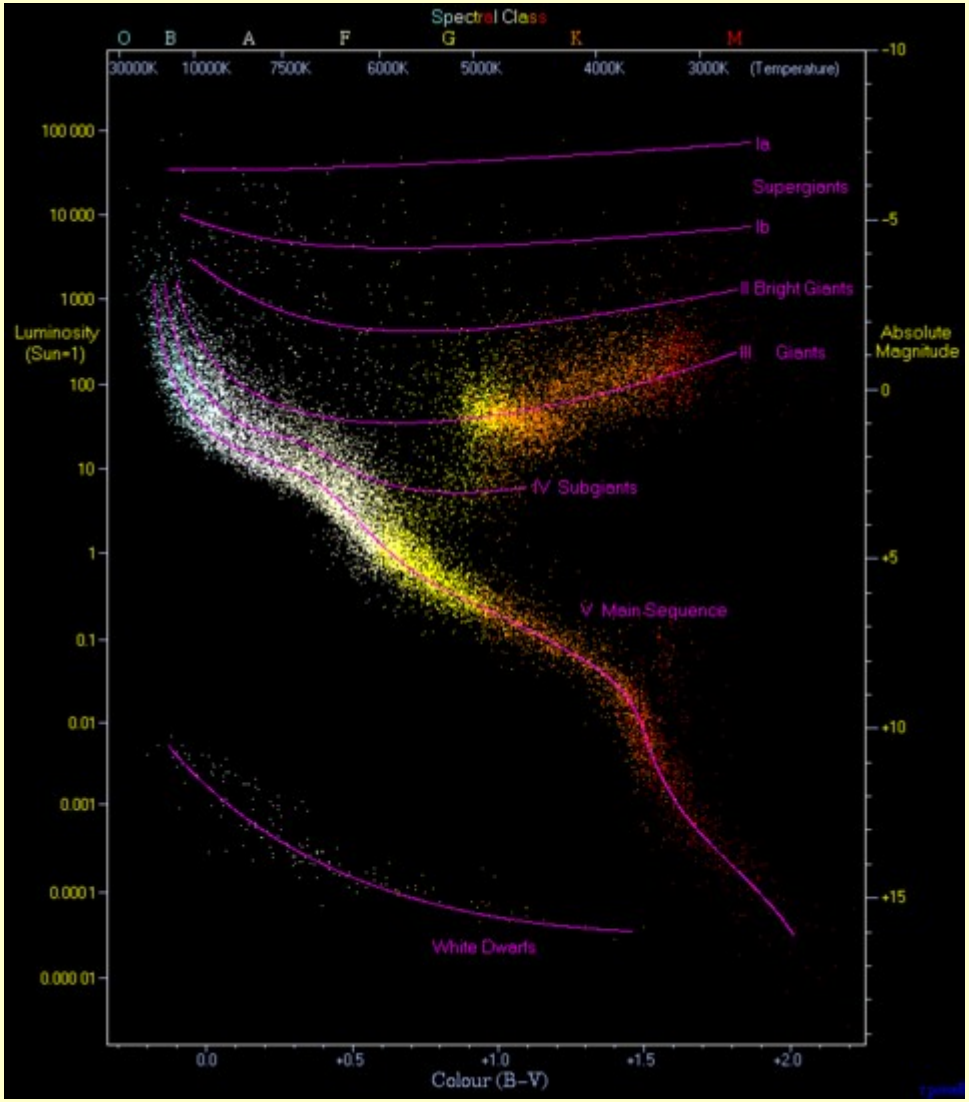
Credit to Wikipedia-Website

HR diagram

Different luminosity classes.



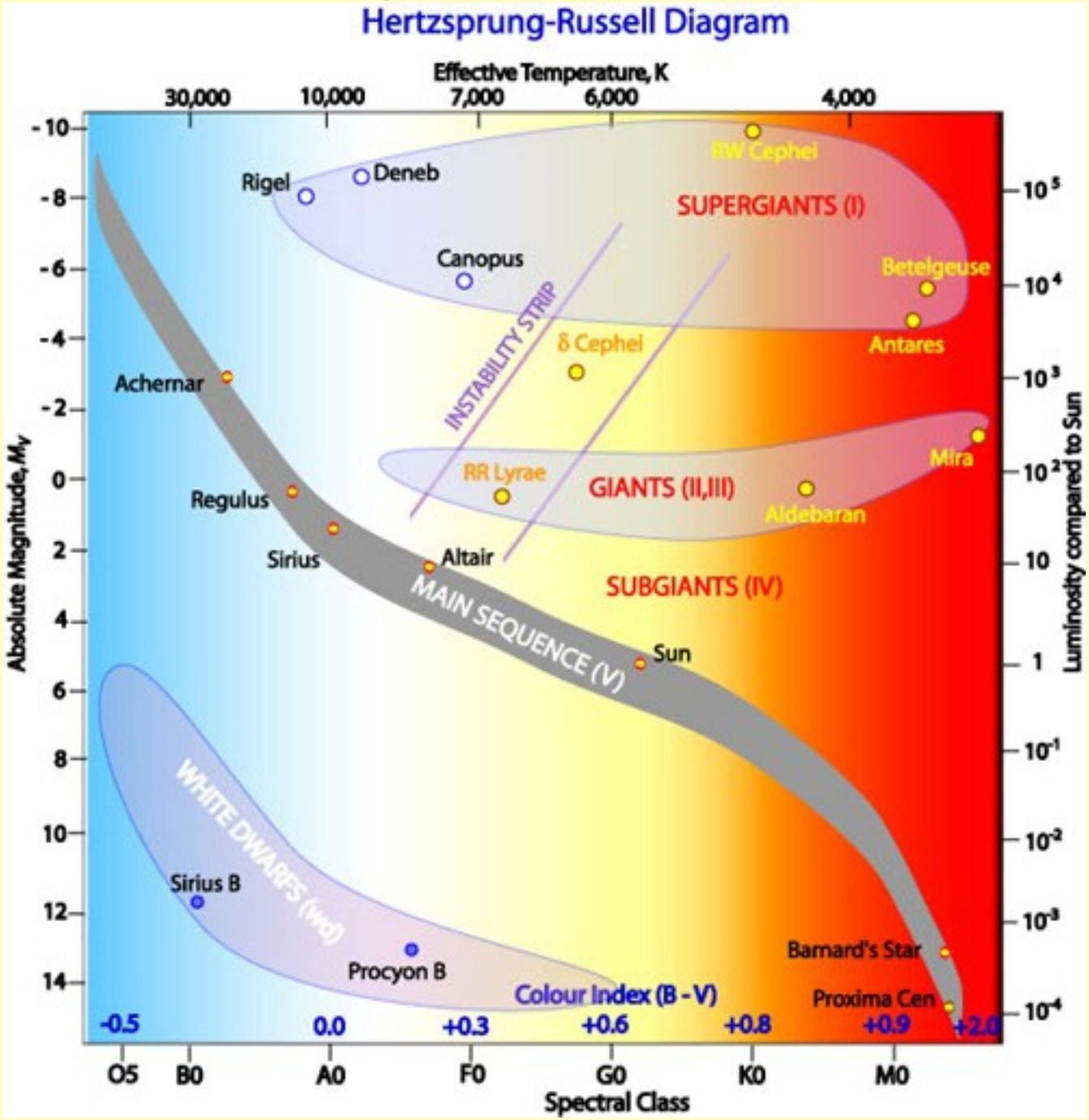
HR diagram



Hertzsprung–Russell diagram with 22,000 stars plotted from the Hipparcos Catalogue and 1,000 from the Gliese Catalogue of nearby stars.

Credit to Wikipedia-Website

HR / CM diagram: the instability strip

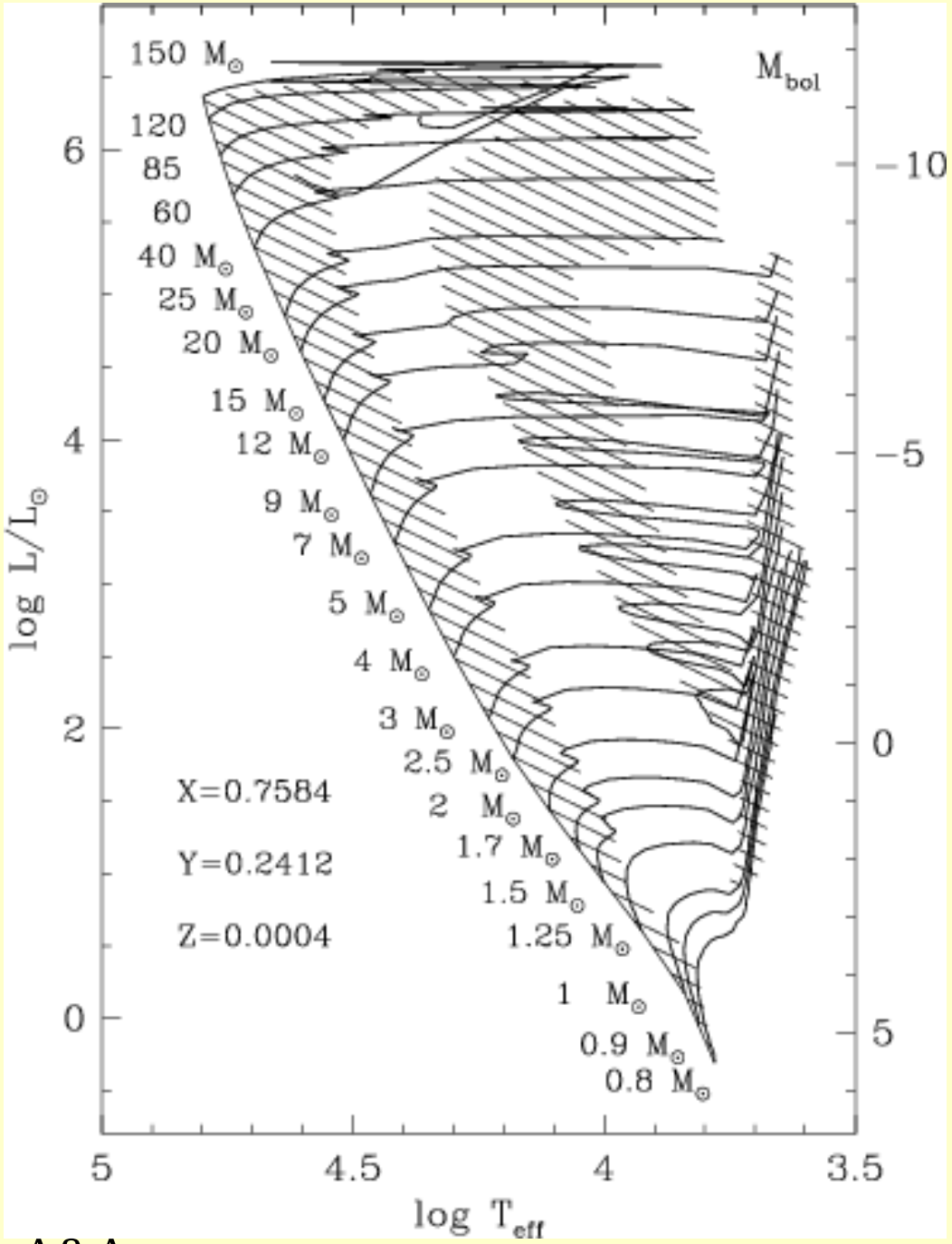


http://www.elektrisches-universum.de/wp-content/uploads/hrgenericsml.jpg

HR/CM diagram

An example of theoretical HR diagram for the ensemble of the calculated models.

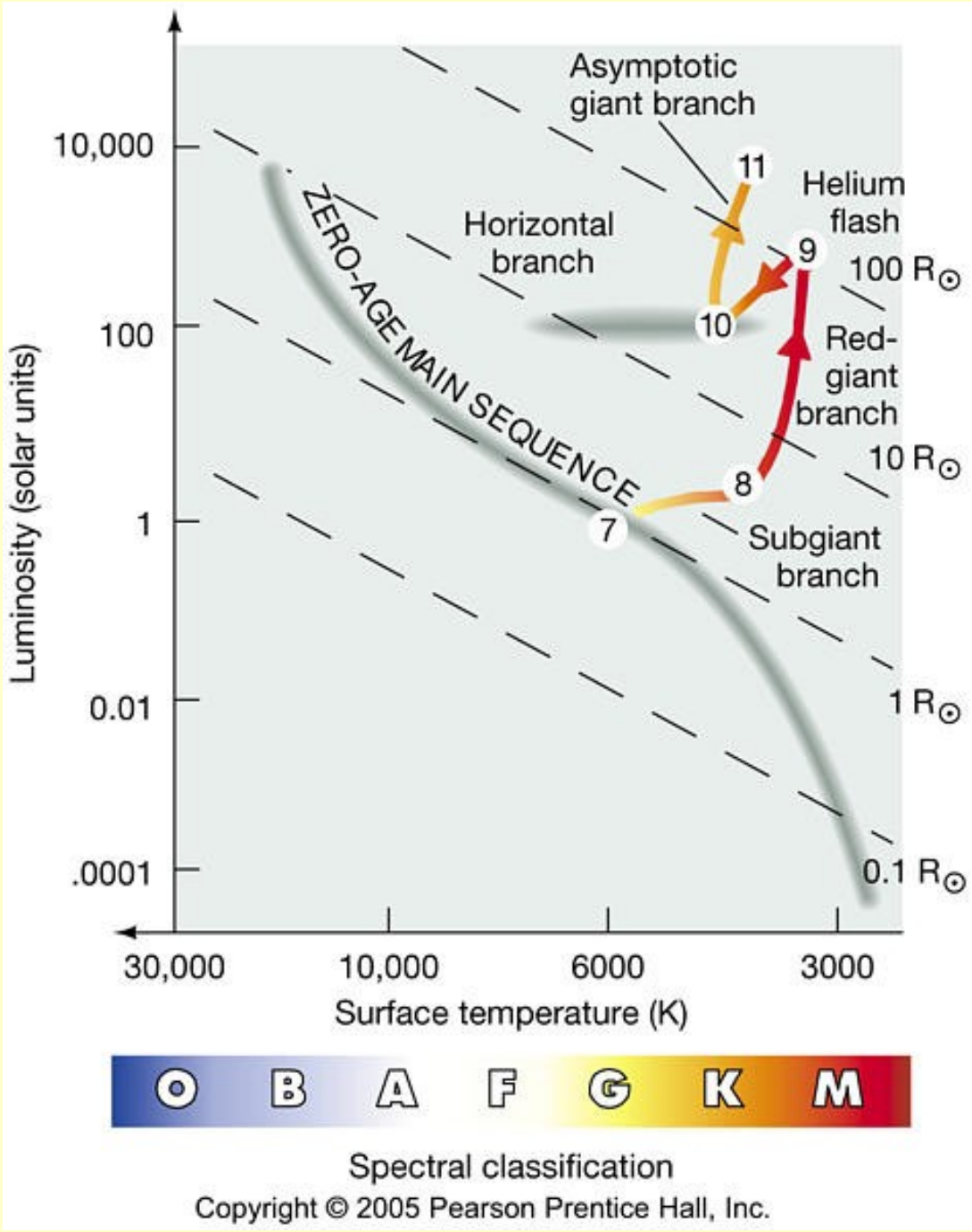
Please. See the course of Prof. Matteucci for the topic “Star Evolution”.



Credit to Lejeune &Schaerer, 2001, A&A

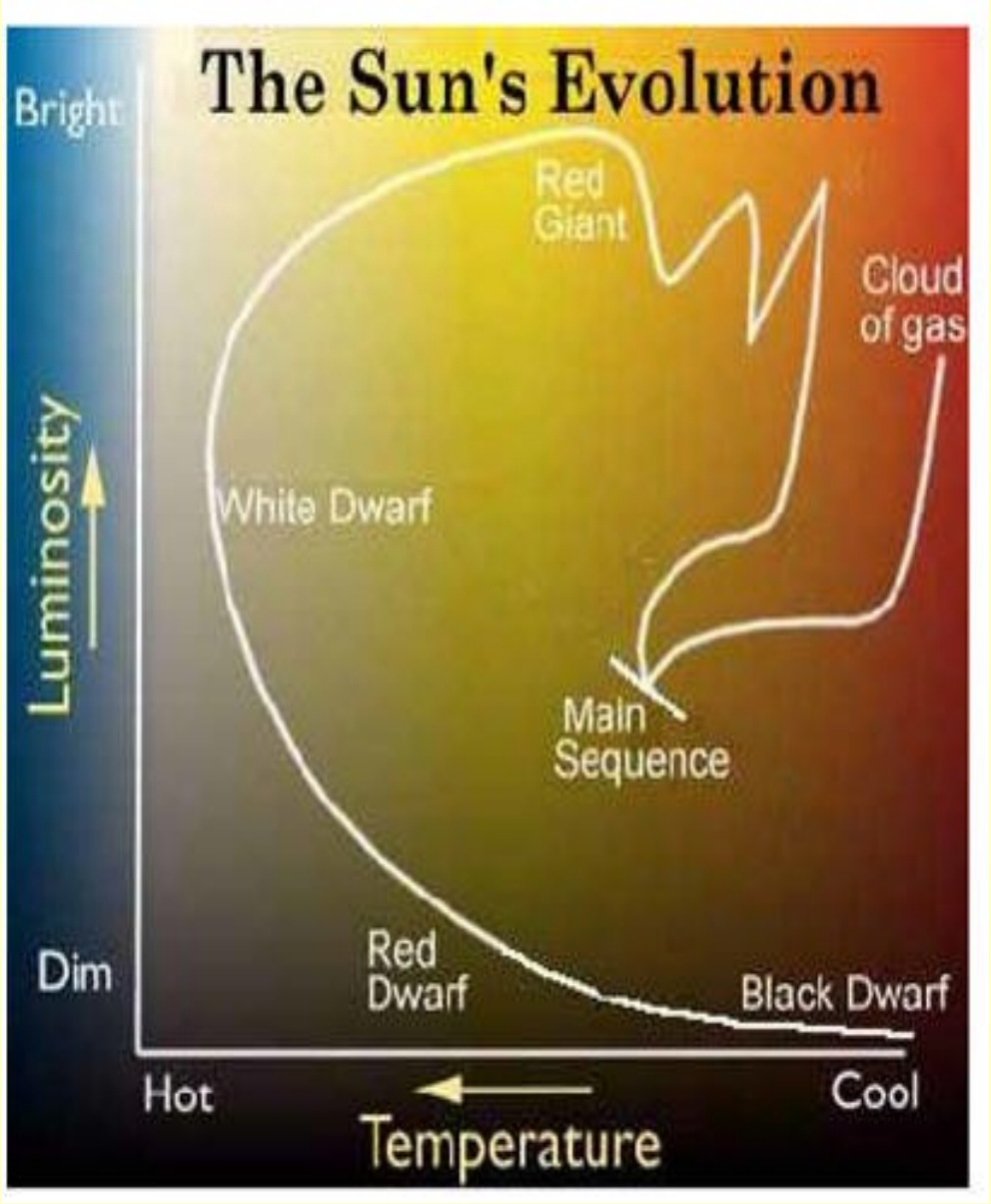
HR diagram

Evolution of a sun-like star.



See also http://astronomy.nju.edu.cn/~lixd/GA/AT4/AT420/HTML/AT42002.htm

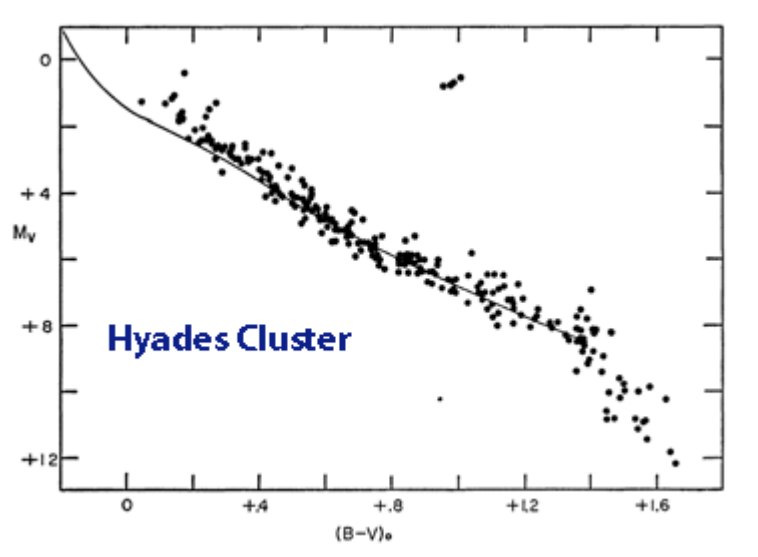
HR/CM diagram

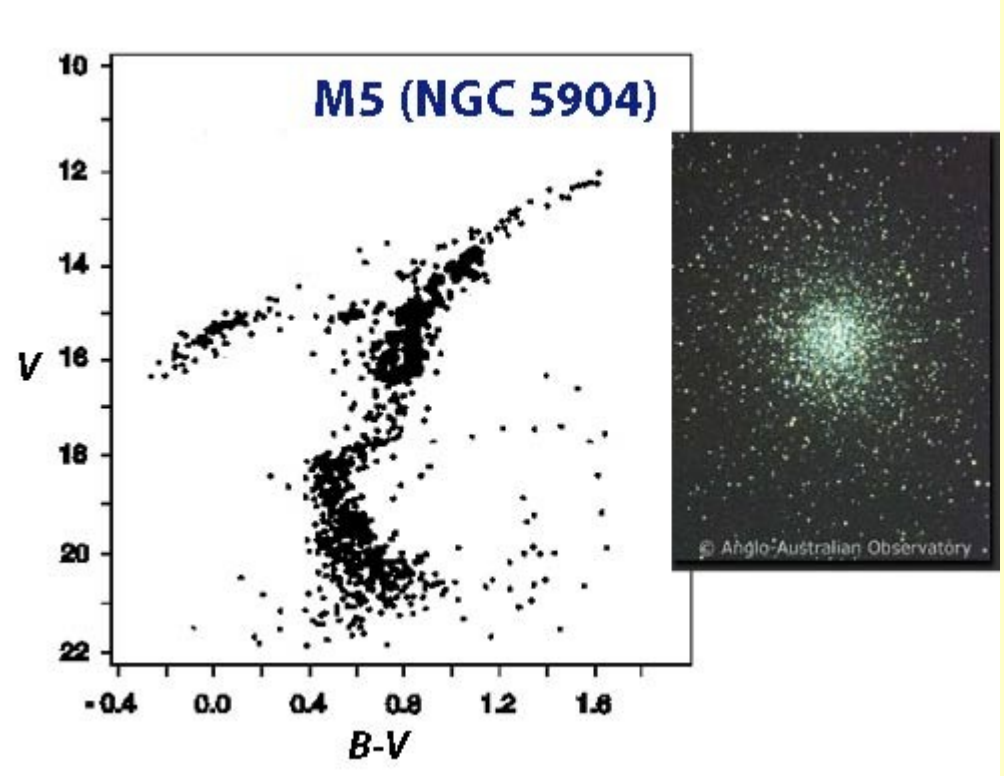


From
http://myspace.pc.edu/rarts/public_html/courses/astronomy/notes/Individual_Stars/Individual_Stars.html

CM diagram: open and globular cluster

Credit: Johnson, H. L.; Mitchell, R. I.; Iriarte, B., Astrophysical Journal, vol. 136, p.75 The Color-Magnitude Diagram of the Hyades Cluster.





Credit: SEDS (C-M diagram) and AAO (image) Colour-magnitude diagram for and image of the Globular Cluster M5.