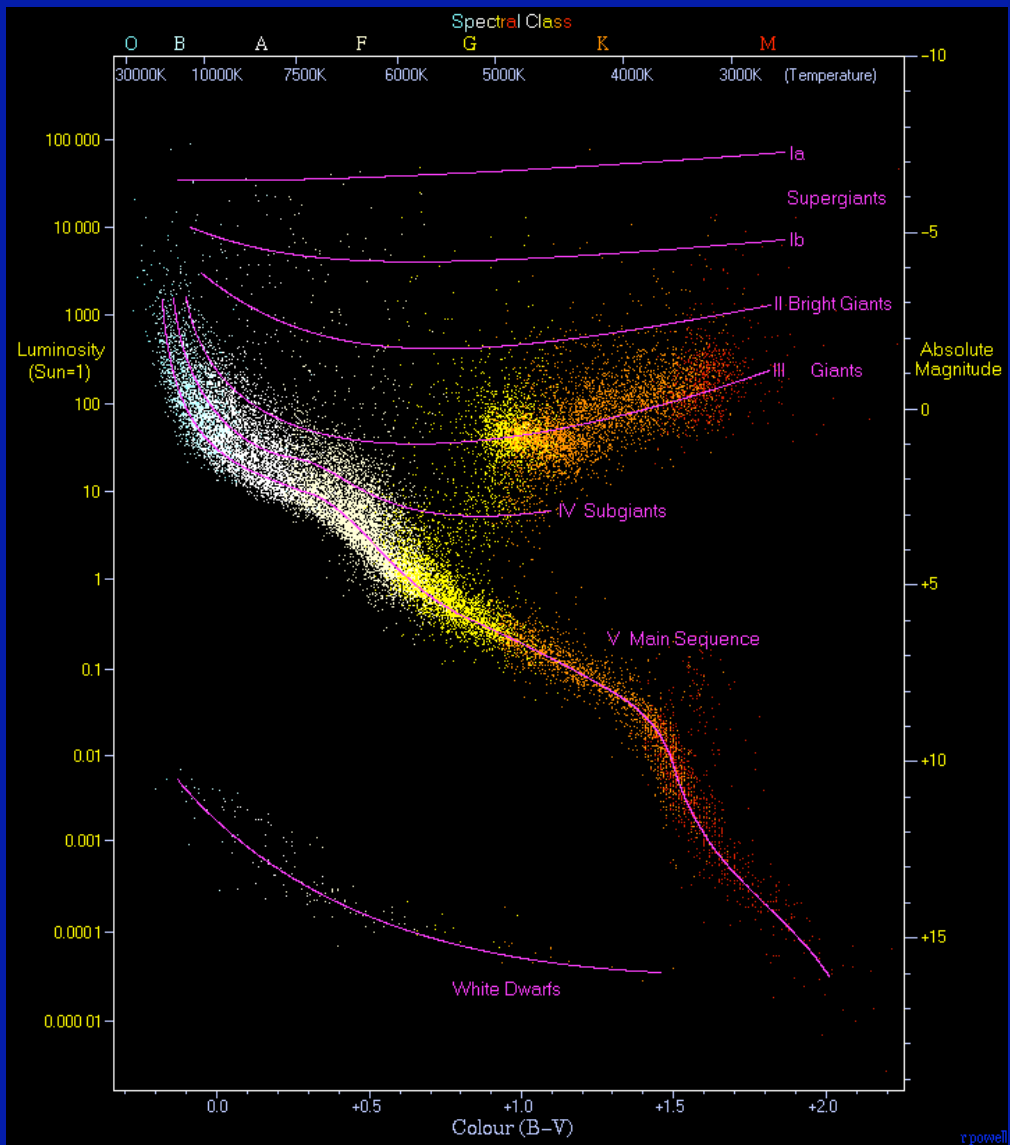


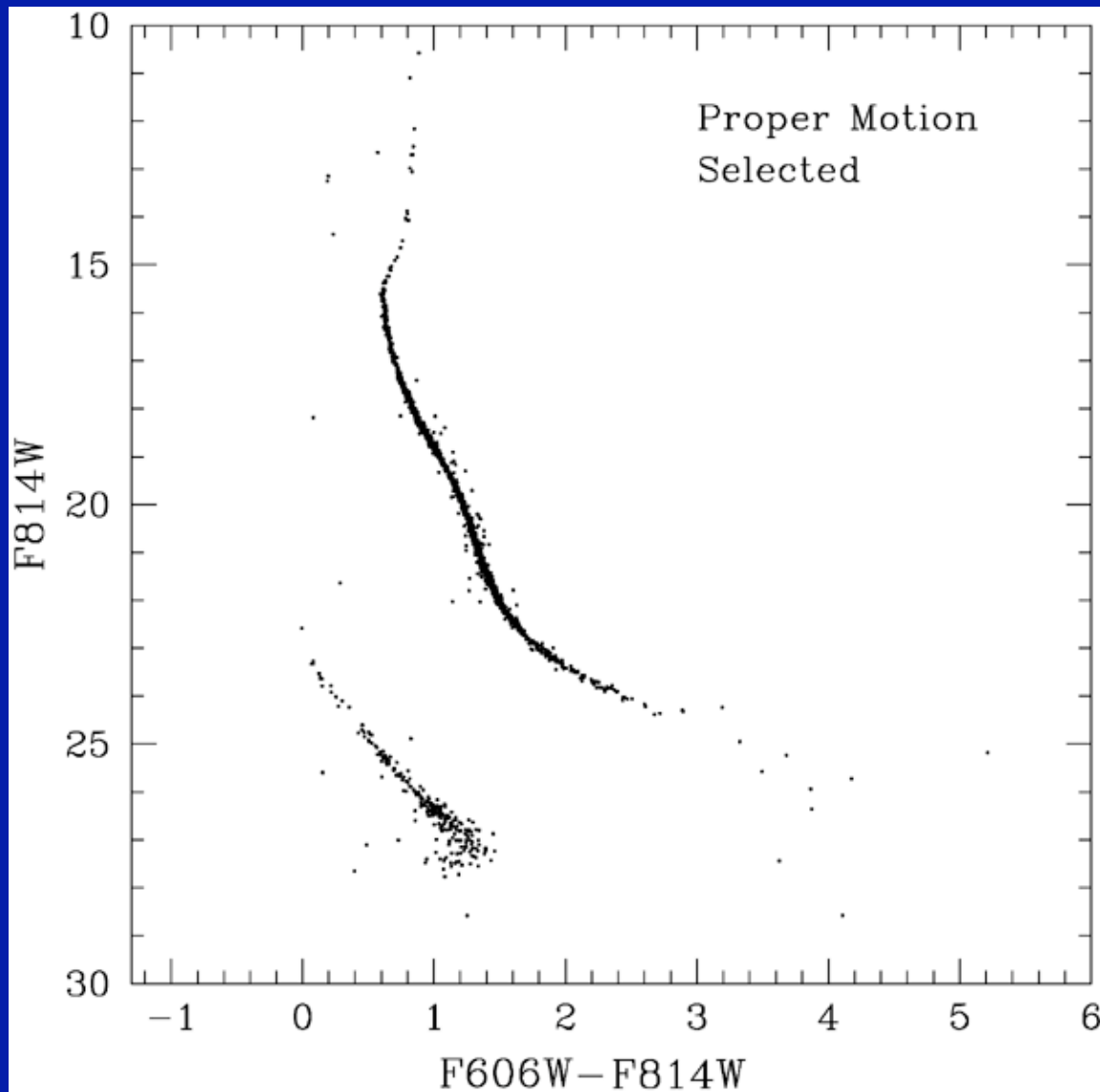
HR diagram of 20,853 stars with distances and colors measured by Hipparcos (borrowed from Catherine Turon's web site).



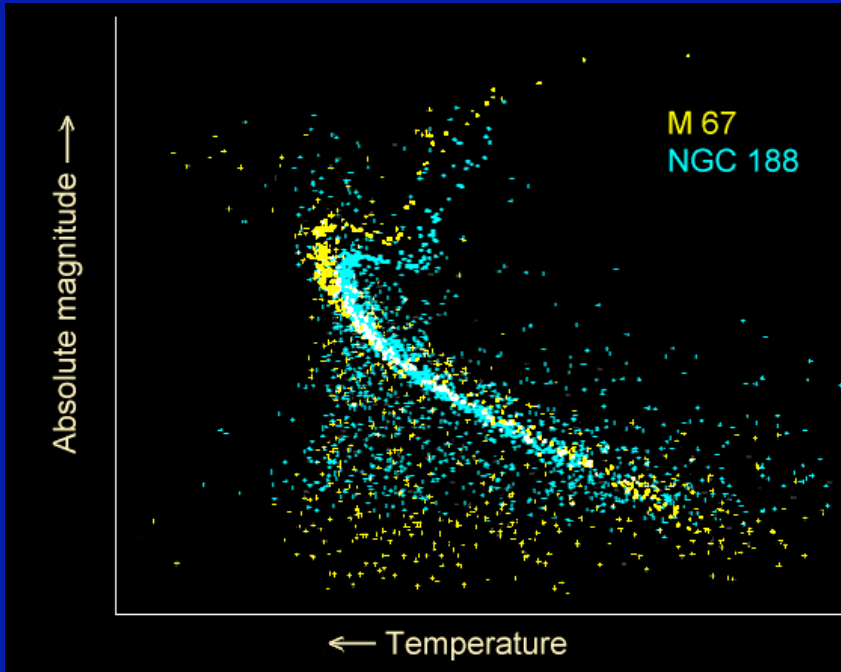
Extended HR
 diagram combining
 stars from
 Hipparcos with
 stars from the
 Gliese catalog



Globular cluster
M80 as imaged
by the Hubble
Space
Telescope

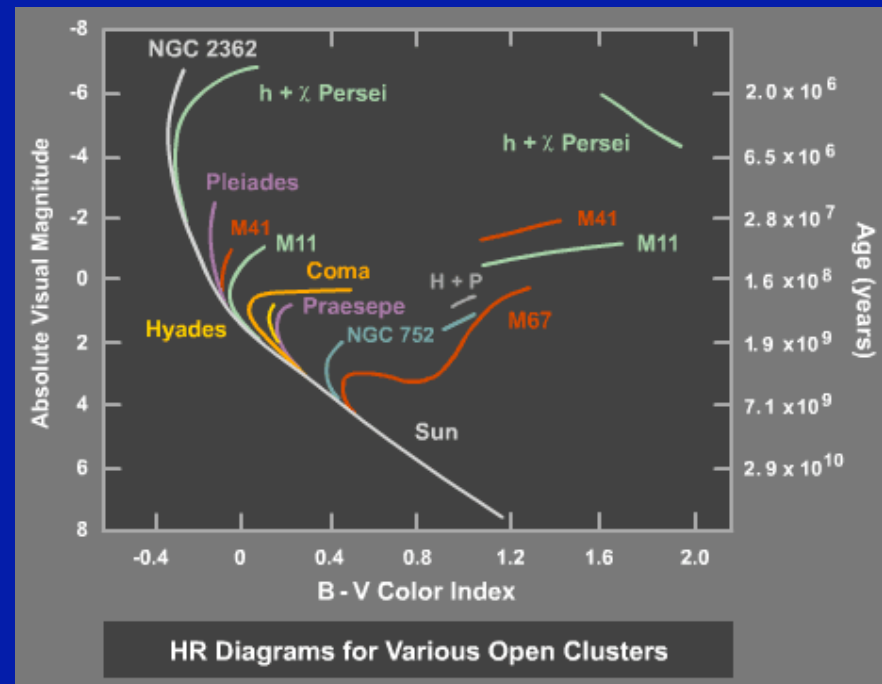


HR diagram of the globular cluster NGC 6397. The y axis shows magnitude in one filter, and the x axis shows color as measured by the ratio of two different filters (from Richer et al., 2008, *Astronomical Journal*, vol. 135)

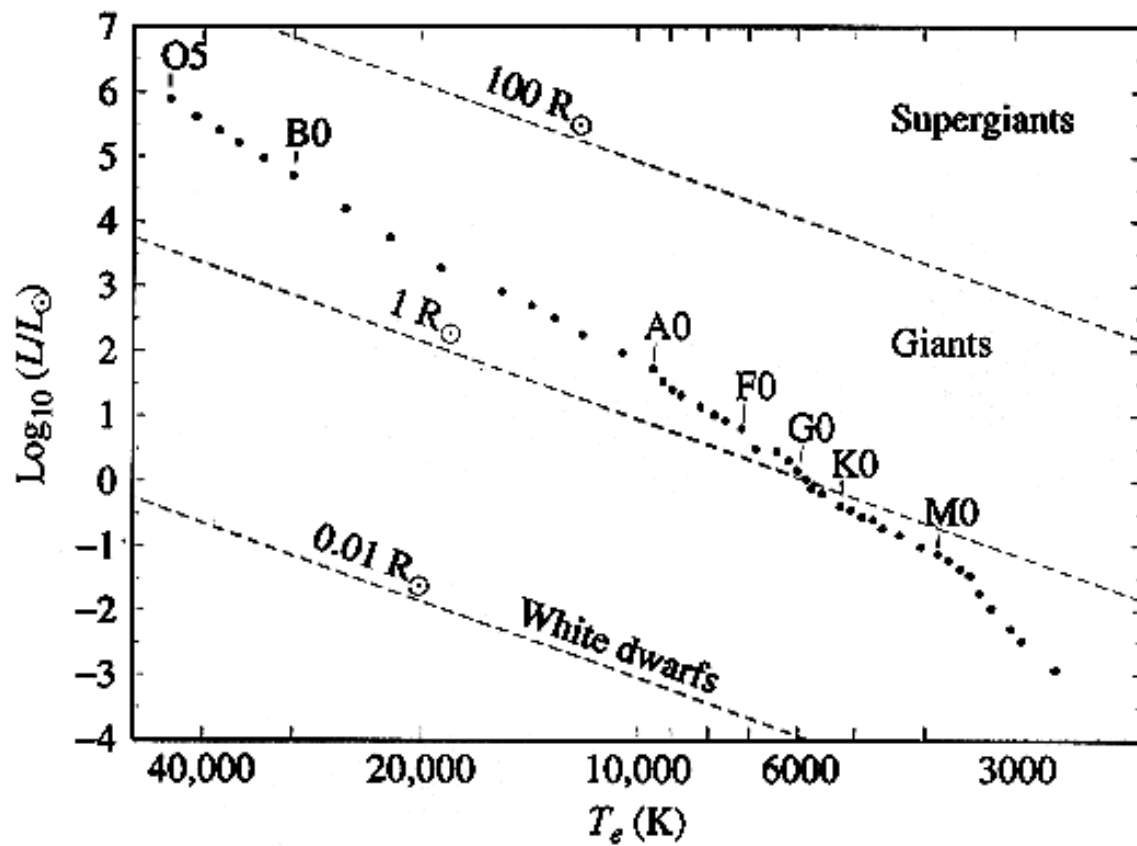


HR diagrams for open clusters M 67 and NGC 188

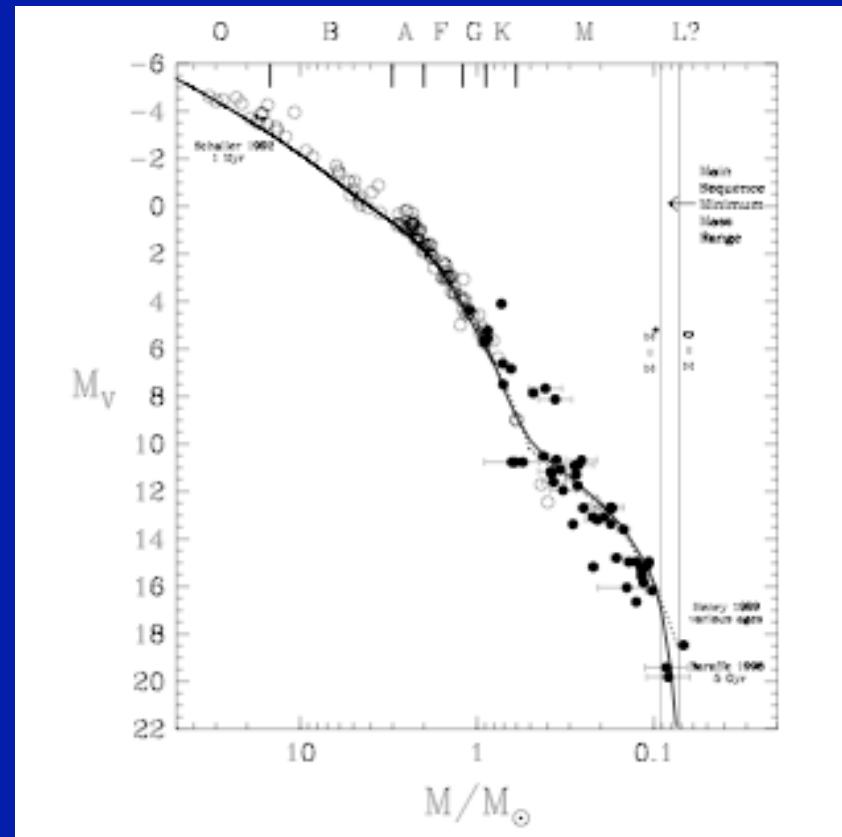
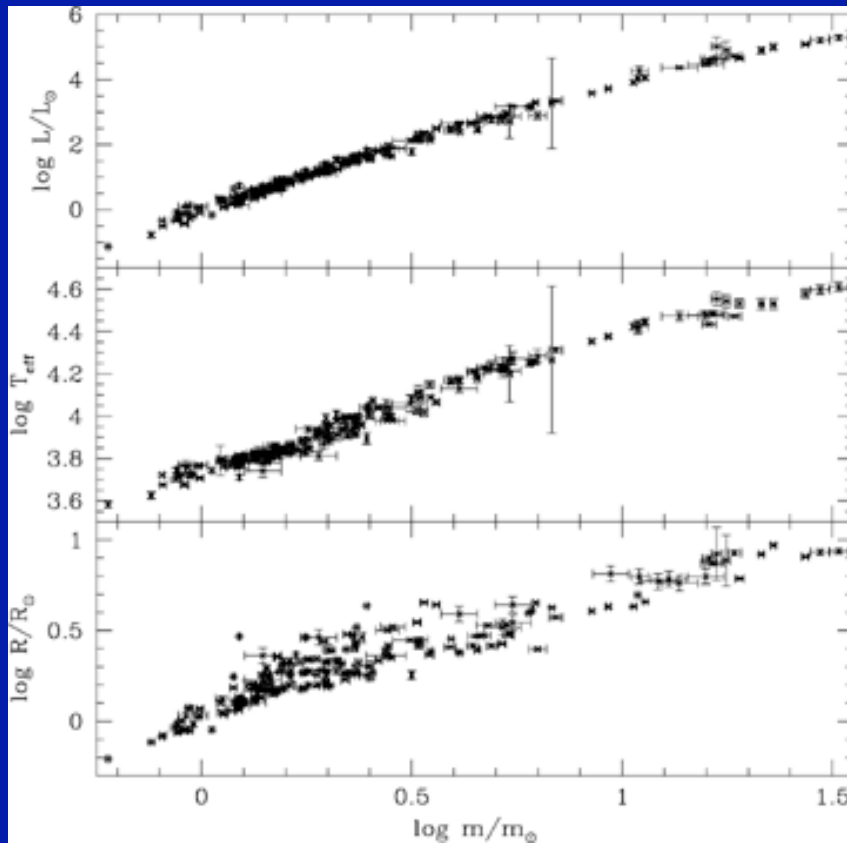
Schematic representation of HR diagrams and main sequence turn-offs observed for different open clusters



HR Diagrams for Various Open Clusters



A theorist's HR diagram: luminosity vs. temperature, with lines of constant radius. The dots show the main sequence.



Two views of the mass-luminosity relation (Malkov 2007, left, and Henry 2004, right)