

1 Stars in the sky appear in many colors



2 Colors Correspond with

Temperature

Colors of Stars

3 Measure Colors using Filters:

U: Ultraviolet B: Blue V: Visual (Yellow)

Brightness (Magnitude) measured in each color band

4

Color Index: Difference between any two magnitudes measured through a color filter

(B - V): Commonly used to compare how Blue vs. Red

(B - V) = +0.65 for the Sun

Hotter -0.4 $+2.0$ Cooler

