

Celestial Navigation





Muin And The Seven Bird Hunters

Tities



Ples



Nikjako'kej



Juki'kes



Jipjawej



Ku'ku'kwes



Kupkwe'j



Muin



Late Spring



Autumn



Autumn



Late Autumn

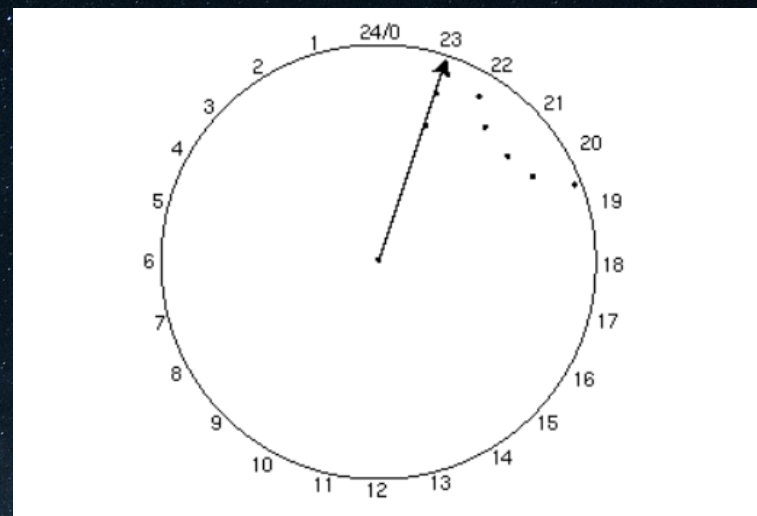
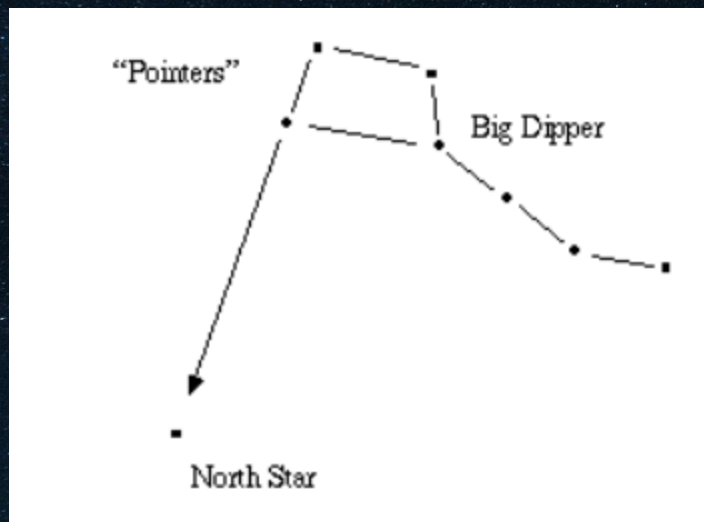


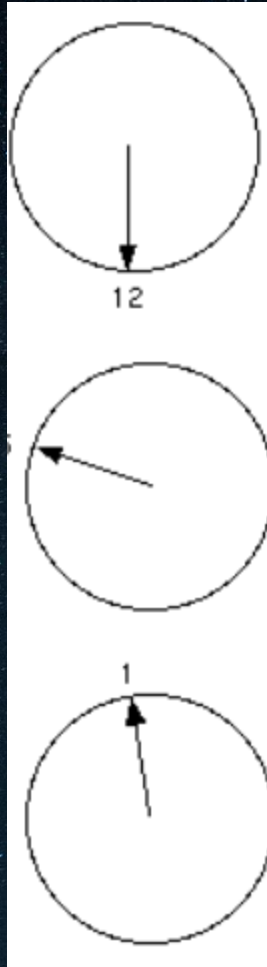
Winter











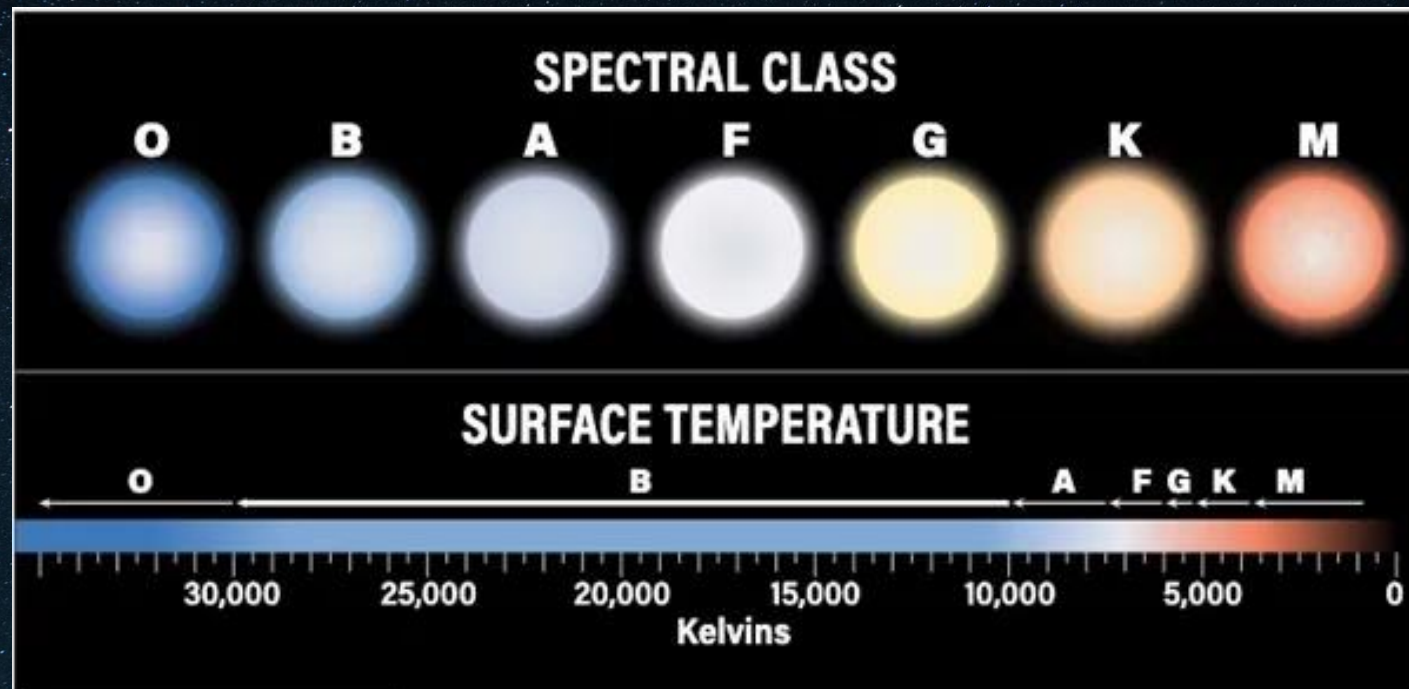
The dipper clock reads 12 hours on August 8

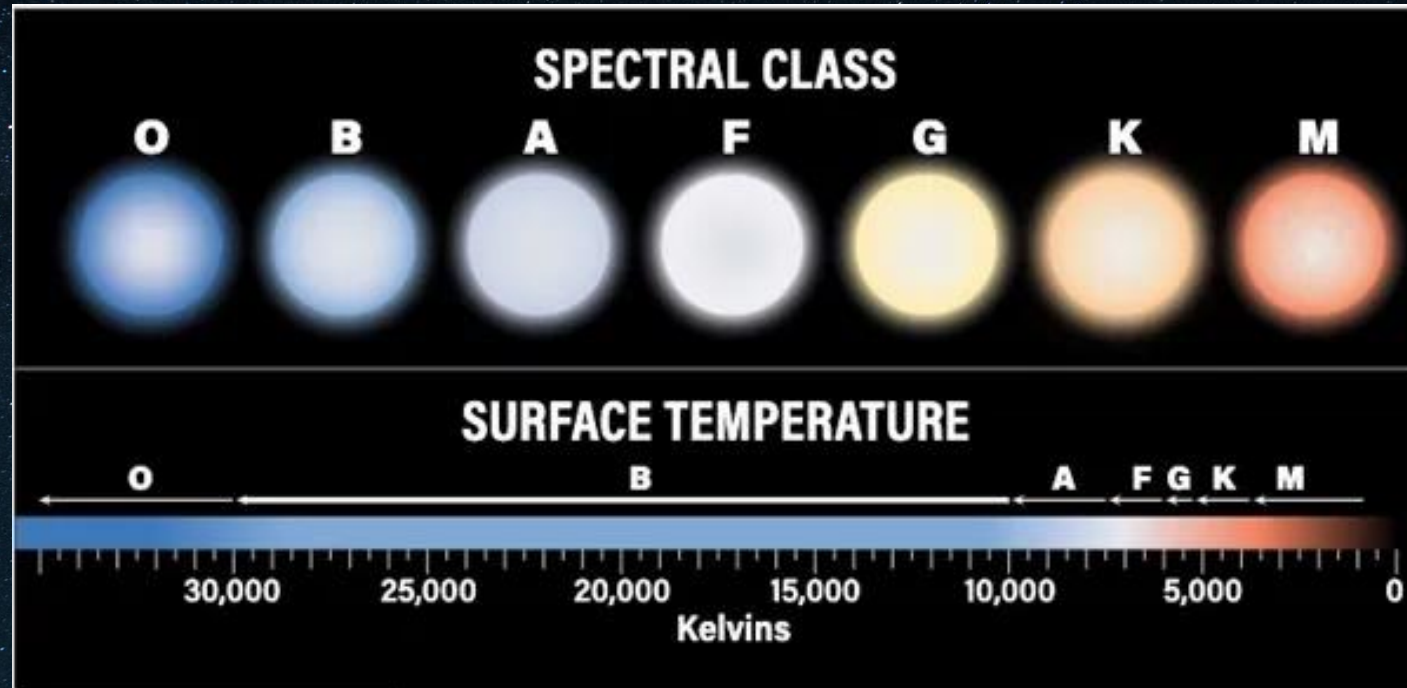
The dipper clock reads 5 hours on June 20

The dipper clock reads 1 hour on January 15

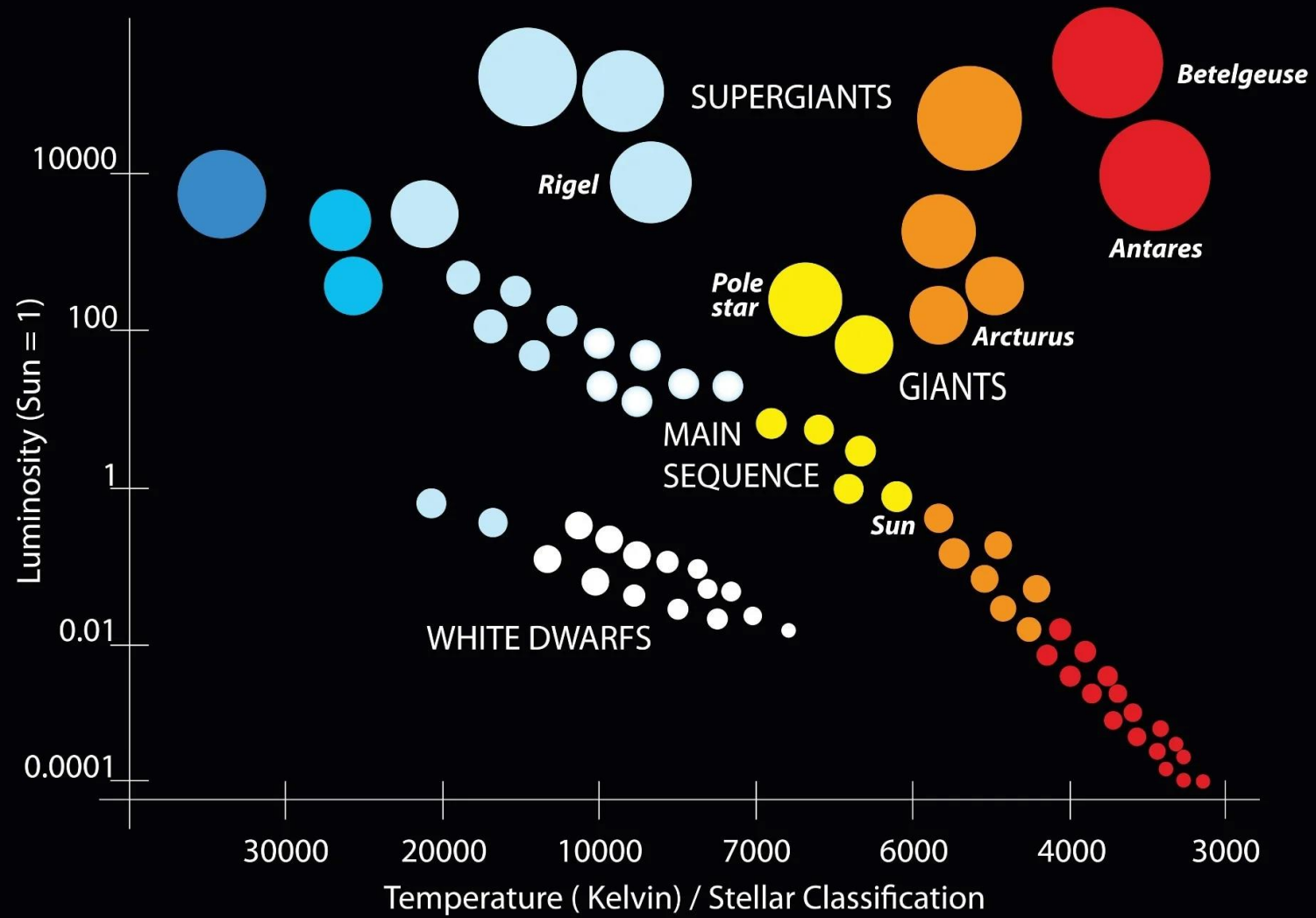
Resources

Resources





Ominiscient Beings Are Firing Gigantic Knowledge Missiles



Astronomy Terms

Astronomy Terms



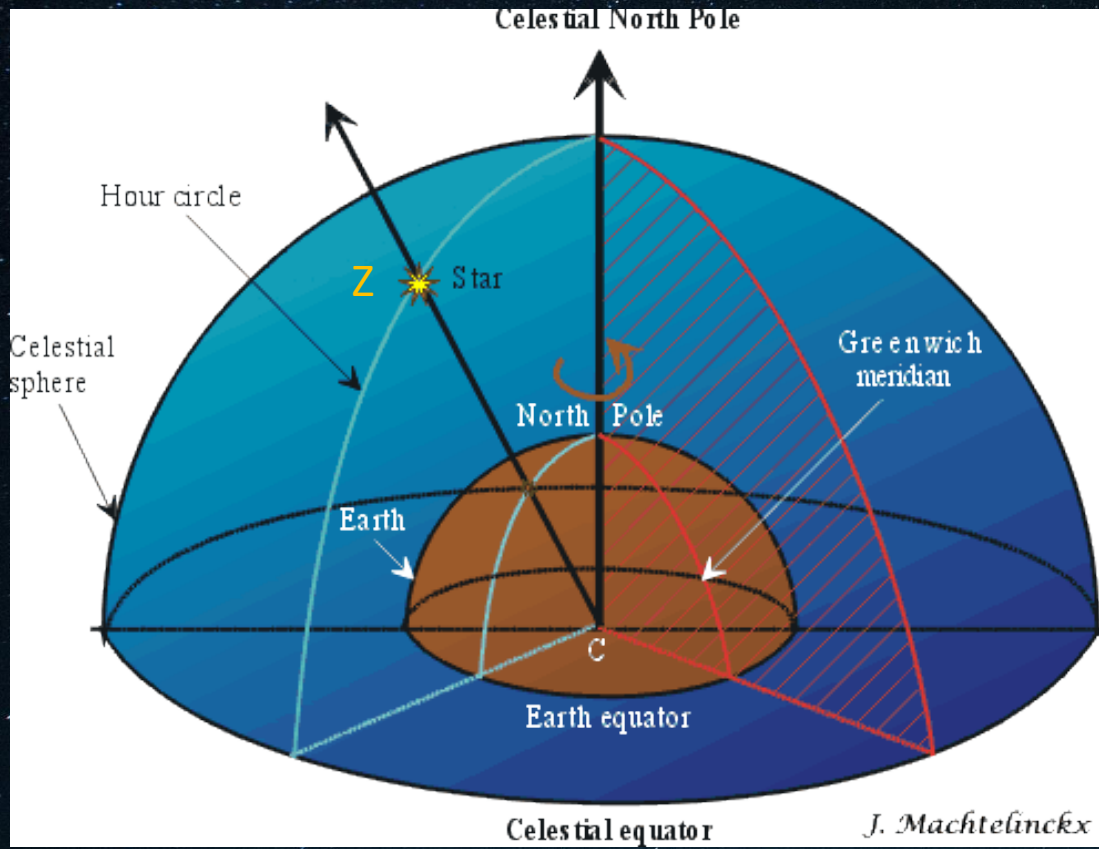
Light Year: Distance travelled by the light in one year.
Light travels at the speed of 3×10^8 m/s.

Astronomy Terms



Apparent Magnitude: Measure of the brightness of a star or celestial body as observed from Earth.

Astronomy Terms



The celestial sphere is an imaginary sphere with the earth at its center. The sky overhead is the half of the sphere we see from earth, appearing as a dome (even though the sky extends infinitely into space). The other half of the sphere is below the circle of the horizon.

The hour circle is the great circle through a given object and the two celestial poles.

The point Z on the celestial sphere, which is directly above the head of the observer, is called his zenith.



Dubhe



Dubhe



Spectral type: :G9III+A7.5 C

Distance: 123 light years

Absolute Magnitude: -1.09

Dubhe is a suspected variable star. Its brightness has been reported to change by a thousandth of a magnitude.

Dubhe

Merak



Merak



Spectral type: A
Temp: 9,225 K
Distance: 79.75 Light Years
Absolute Magnitude: 0.304



Dubhe

Merak



Phecda

Dubhe

Merak



Phecda



Spectral Type: A0

Temp: 10125 K

Distance: 83.61 Light Years

Absolute Magnitude: 0.407

Phecda

Dubhe

Merak



Megrez

Dubhe

Phecda

Merak



Megrez



Spectral Type: A2

Temp: 9226 K

Distance: 81.40 Light Years

Absolute Magnitude: 1.348



Megrez

Dubhe

Phecda

Merak



Alioth Megrez

Dubhe

Phecda

Merak



Alioth



Spectral Type: A1

Temp: 10382 K

Distance: 80.89 Light Years

Absolute Magnitude: -0.246

Alioth Megrez

Dubhe

Phecda

Merak



Mizar & Alcor

Alioth

Megrez

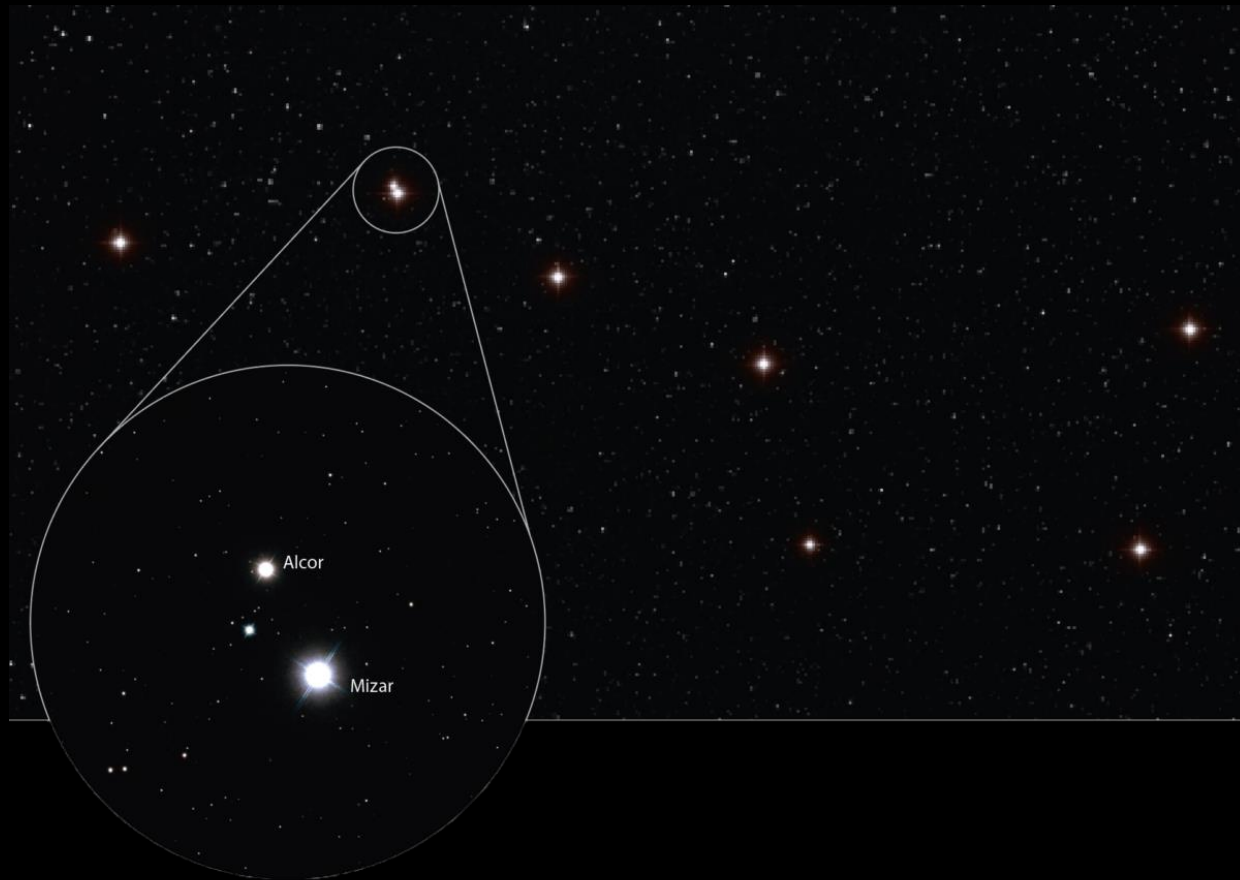
Dubhe

Phecda

Merak



Mizar & Alcor



Mizar 1, Spectral Type: A1
Absolute Magnitude: 0.2217

Mizar 2, Spectral Type: A2
Absolute Magnitude: 1.907

Alcor, Spectral Type: A5
Absolute Magnitude: 2.0154

Mizar & Alcor

Alioth

Megrez

Dubhe

Phecda

Merak



Mizar & Alcor

Alkaid

Alioth

Megrez

Dubhe

Phecda

Merak



Alkaid



Spectral Type: B3V

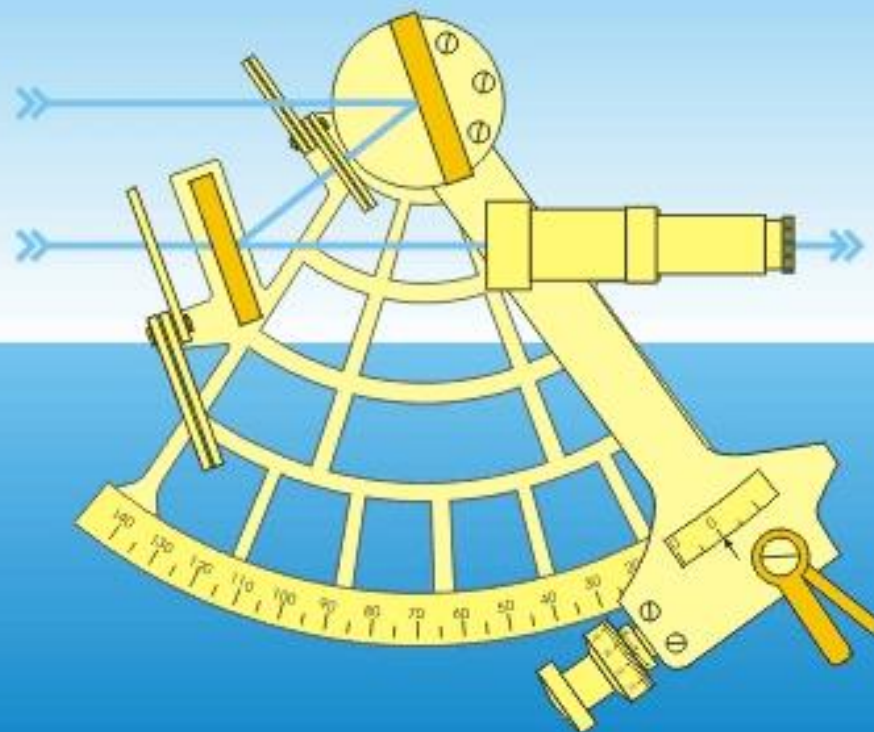
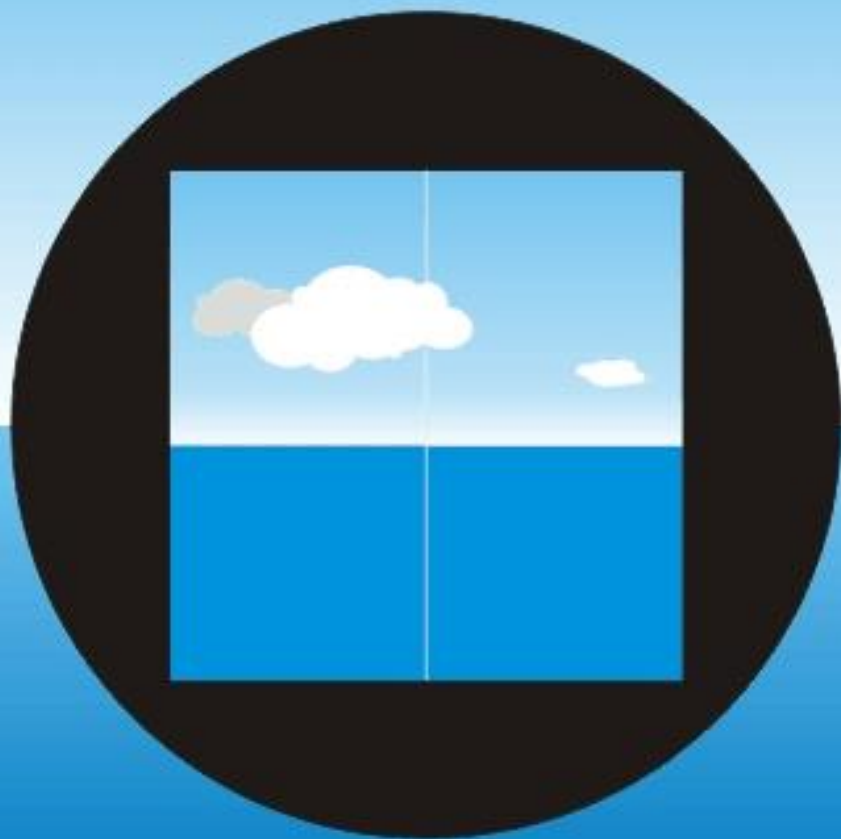
Absolute Magnitude: -0.6567

Surface temperature: 13348 K

Zoo Time

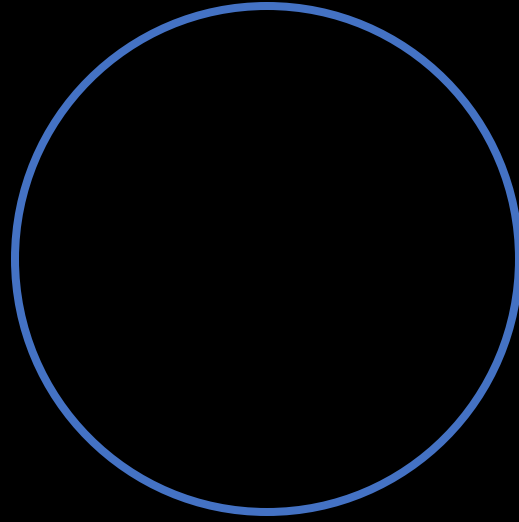


1 point the sextant to the horizon

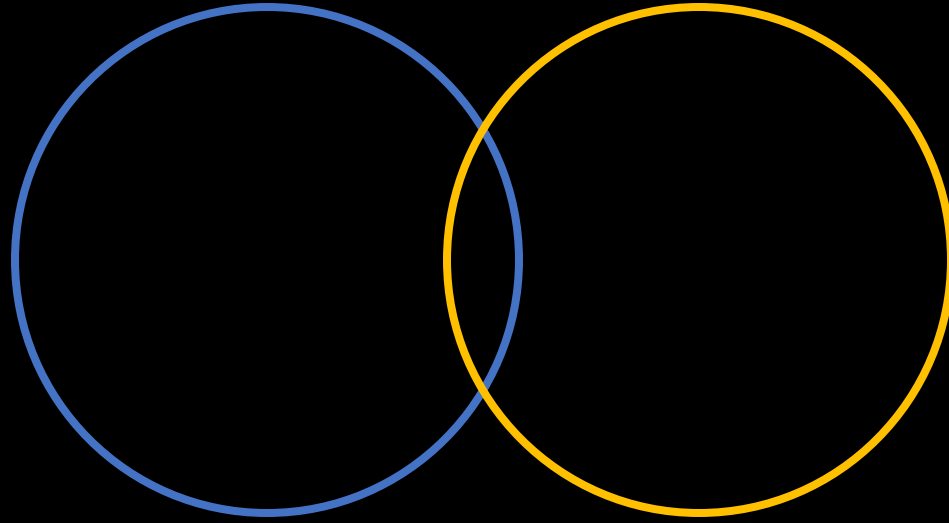


Trilateration

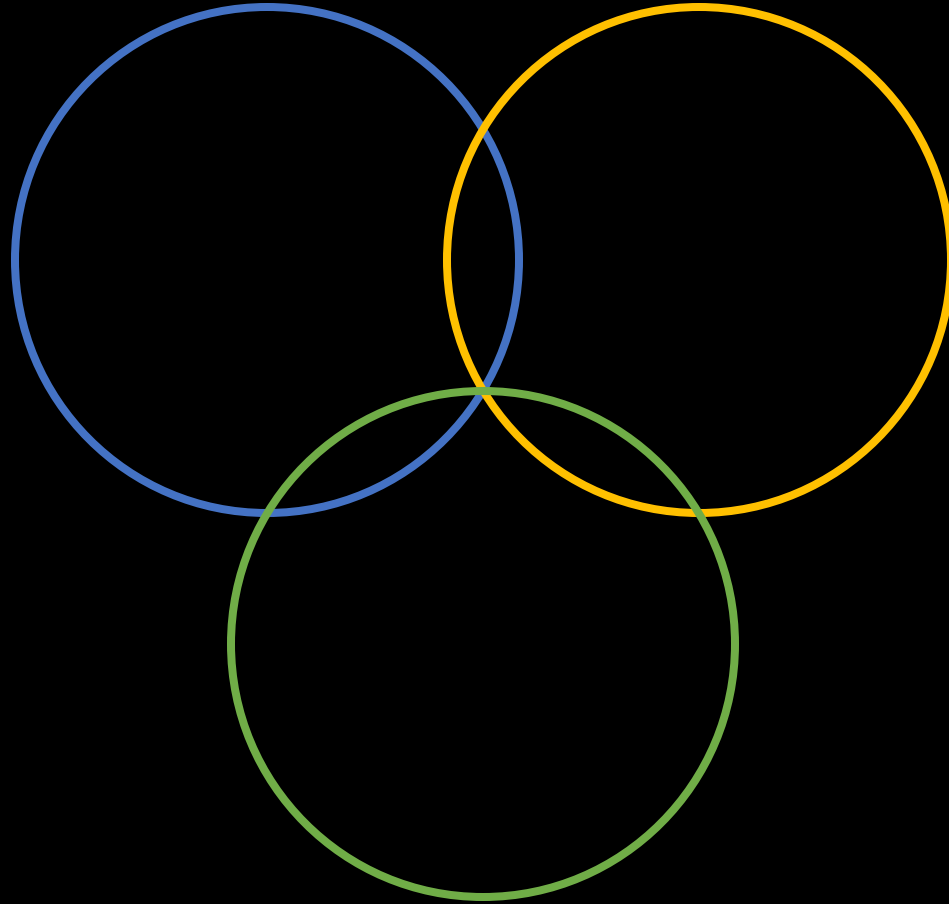
Trilateration



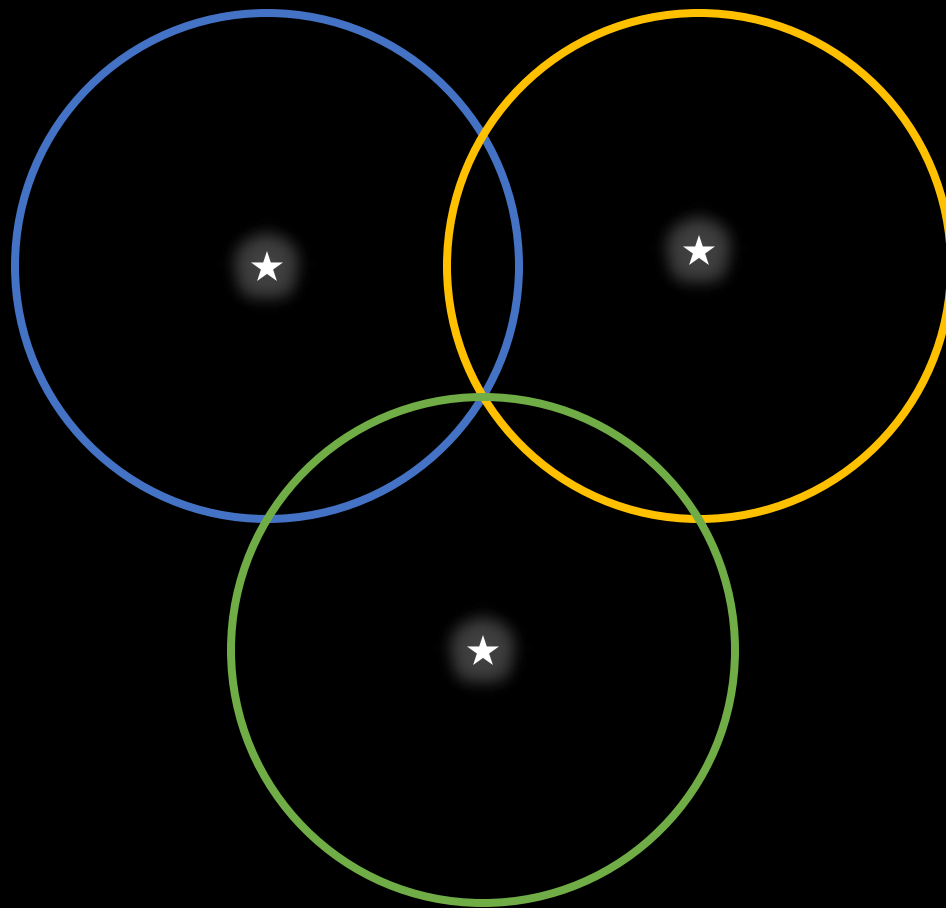
Trilateration



Trilateration



Trilateration



Skoden