

# OPTICS TRADE

Schmidt Cassegrain  
Telescopes

June, 2020

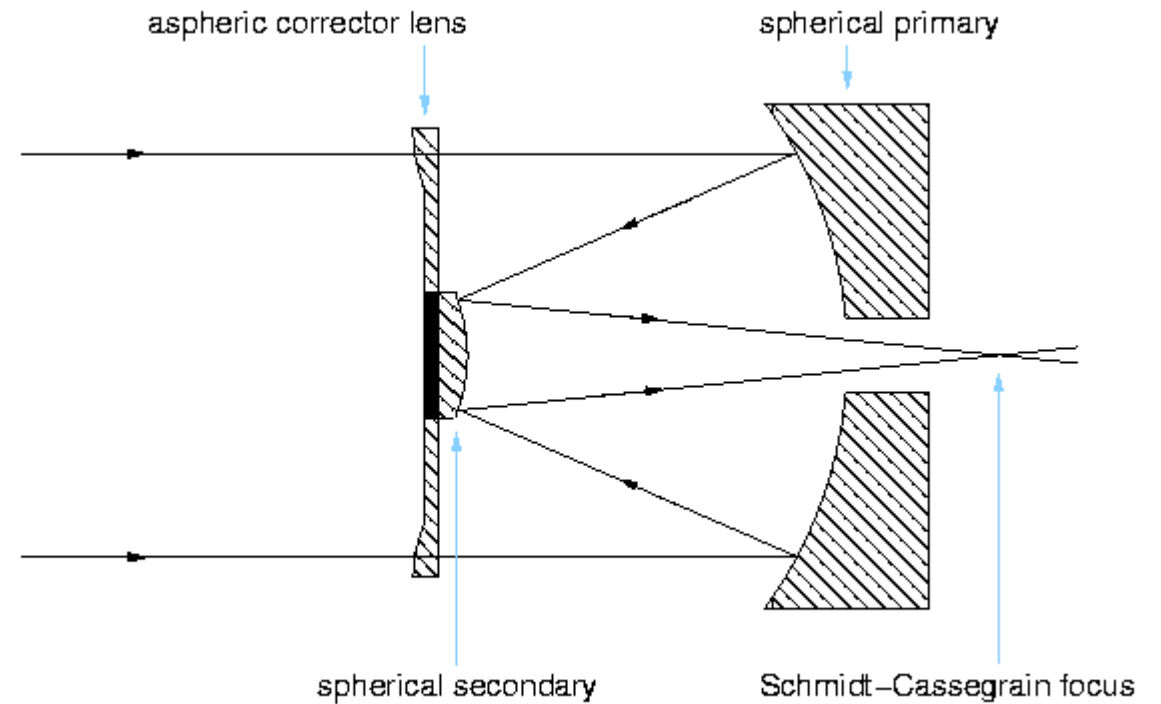
# GENERAL FEATURES

- Very popular Schmidt-Cassegrain telescopes are reflecting telescopes with a unique **Schmidt corrector** lens which eliminates **aberrations**
- Schmidt corrector is a thin, **aspheric** lens used to correct the light paths – all light is brought to the same focus
- The tube of this type of telescope isn't very long, but because of the unique **folding** of the light, the **focal length** can be pretty long



# PATH OF THE LIGHT

- The light enters the tube through the corrector lens and reflects from the primary mirror → located at the other end of the telescope
- Once reflected, the light travels to the secondary mirror
- From there, it passes through a small hole in the primary mirror to the eyepiece



# OBSERVATIONS

- Schmidt-Cassegrain telescopes are great for **lunar** and **planetary** viewing
- They can also be used for “**deep-sky**” observing and **astrophotography**
- Compared to refractors, they feature **large apertures** at **reasonable prices**
- They are easy to use, very **compact**, and **portable**



# OPTICS TRADE