

# OPTICS TRADE

Maksutov Cassegrain  
Telescopes

June, 2020

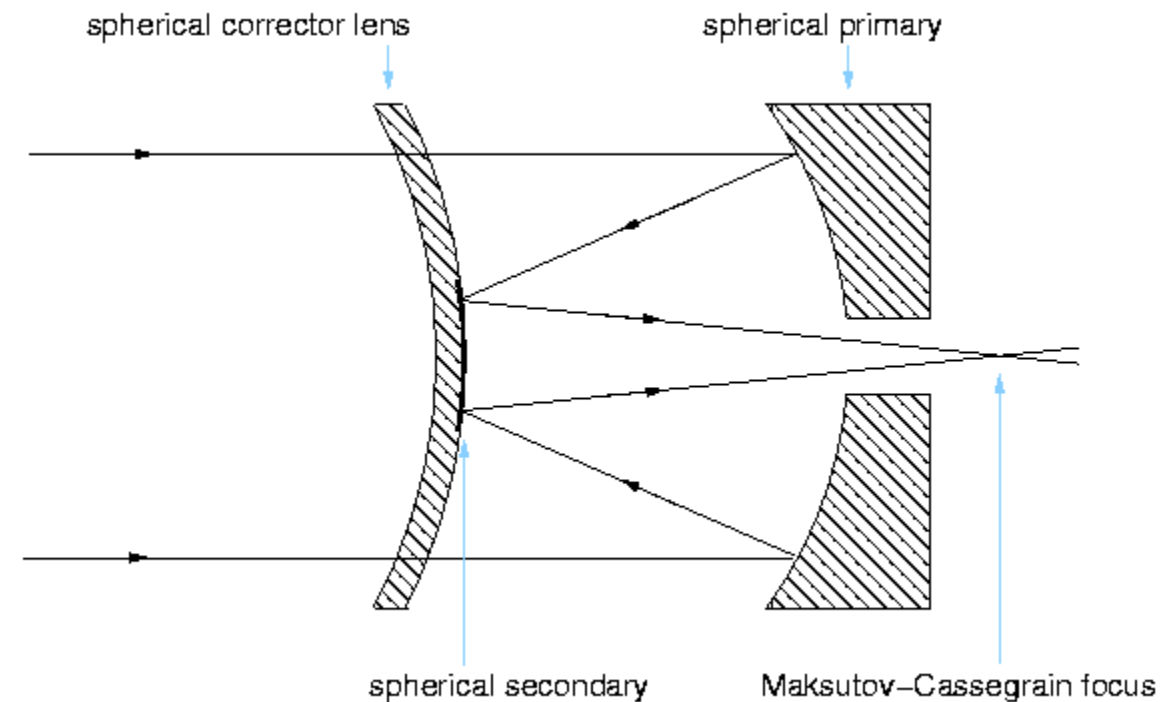
# GENERAL PROPERTIES

- Maksutov-Cassegrain is a **sealed tube** telescope very similar to the Schmidt-Cassegrain telescope
- Maksutov-Cassegrain uses a **thicker** corrector plate than Schmidt-Cassegrain



# PATH OF THE LIGHT

- Light enters the tube through the **corrector lens** and is then reflected from the primary mirror → located at the other end of the telescope
- Once reflected, the light travels to the secondary mirror
- The secondary mirror is an **aluminated** plate in the center of the corrector plate
- From there, it passes through a small hole in the primary mirror to the eyepiece



# OBSERVATIONS

- Maksutov-Cassegrain telescope is quite **small** in size, which gives it proper **resolution** and high **contrast** — great for **planetary** observing
- Because of a small secondary mirror obstruction, the image is very sharp
- With the focal ratio between f11 and f15, the **field of view** is rather **narrow** - meaning that the "**deep-space**" objects appear very **small** in the field
- Although Maksutov-Cassegrain is small in size, it is quite **heavy** (heavy corrector lens)



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