

Sequence n° 12: the refracting telescope (lunette astronomique)

ACTIVITY 1 : The refracting telescope

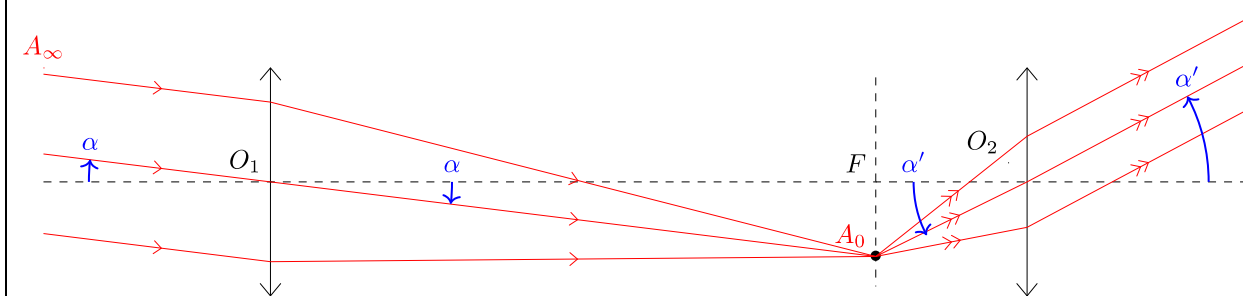
Document 1: The refracting telescope



Source: wikimedia commons

All refracting telescopes use the same principles. The combination of an objective lens and some type of eyepiece is used to gather more light than the human eye is able to collect on its own, focus it, and present the viewer with a brighter, clearer, and magnified image.

Document 2: Rays through the refracting telescope



■ Understanding the device:

Using the materials given in documents 1 and 2, label document 2 with the following:

- convergent lens (objective lens)
- convergent lens (eyepiece)
- eye
- object

Activity summary

What you must remember:

- **refracting telescope**

Skills linked to the curriculum:

Compétences	Capacités à maîtriser
- ANA	- Modéliser une lunette par un système optique de deux lentilles convergentes - Distinguer l'objectif de l'oculaire. - Réaliser et exploiter le tracé d'un faisceau de lumière pour décrire le principe d'une lunette.
- COM	Utiliser du vocabulaire spécifique