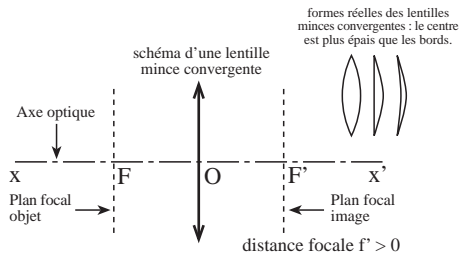


**Présentation, définitions**

**Les lentilles convergentes**



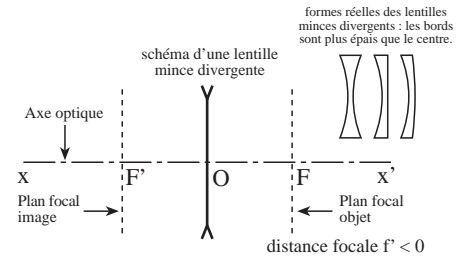
F : foyer objet  
 F' : foyer image  
 O : centre optique

$$\text{Distance focale } f' = OF'$$

$$\text{Vergence } V = \frac{1}{f'}$$

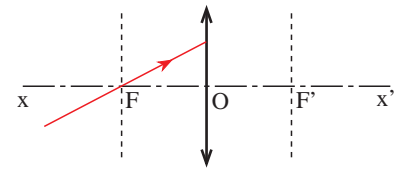
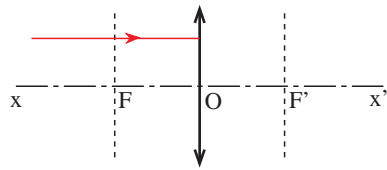
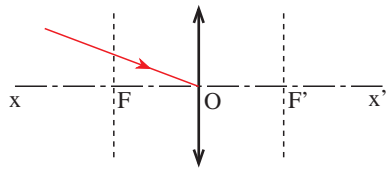
f' en mètres ; V en dioptries (δ)  
 on considère le sens de propagation xx'

**Les lentilles divergentes**



*pour information*

**Rayons particuliers**




---

---

---

---



---

---

---

---



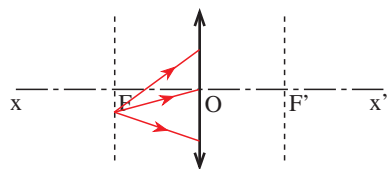
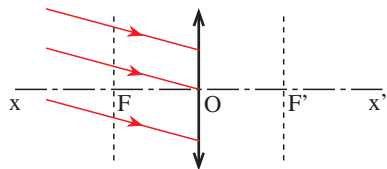
---

---

---

---

**Faisceaux particuliers**




---

---

---

---



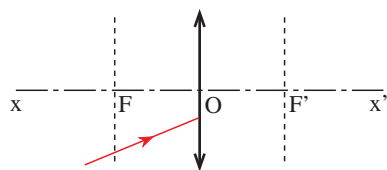
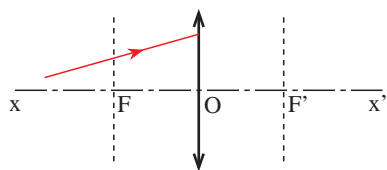
---

---

---

---

**Rayons quelconques**



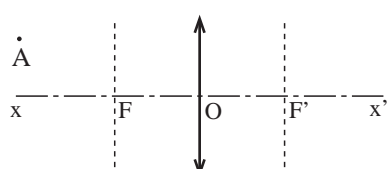
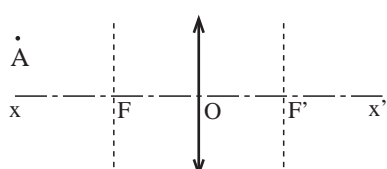

---

---

---

---

**Points conjugués**




---

---

---

---

### Exercices d'optique géométrique

Ces exercices permettront d'apprendre à dessiner l'image d'un objet à travers une lentille et de vérifier expérimentalement les formules ci-dessous.

Formule de conjugaison

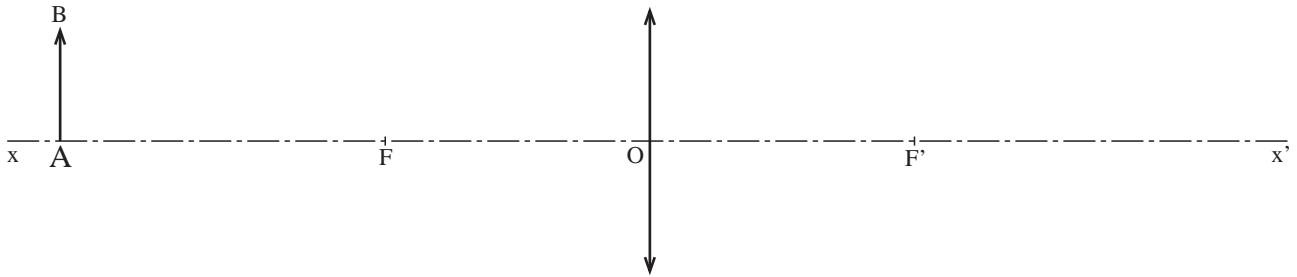
$$\frac{1}{\overline{OA'}} - \frac{1}{\overline{OA}} = \frac{1}{\overline{OF'}}$$

ou formule de Descartes

Grandissement

$$\gamma = \frac{\overline{A'B'}}{\overline{AB}} = \frac{\overline{OA'}}{\overline{OA}}$$

1- Dessiner les images de l'objet AB, puis vérifier les formules de conjugaison en mesurant les différentes distances sur les schémas.




---

---

---

---

---

---

---

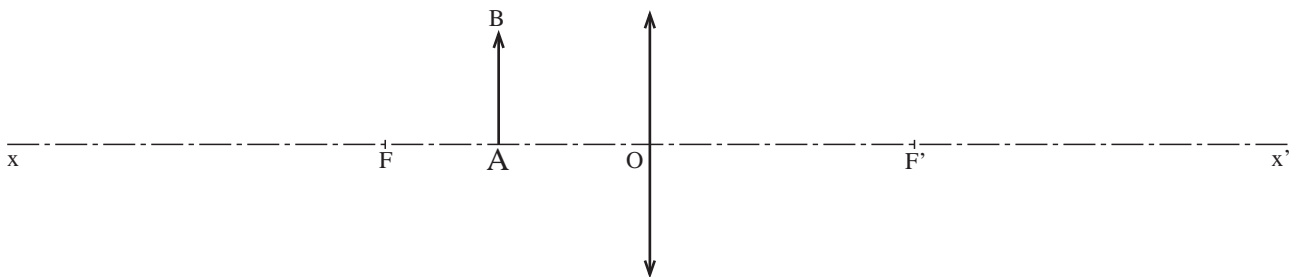
---

---

---

---

---




---

---

---

---

---

---

---

---

---

---

---

---