

mesures algébriques :

distance + signe

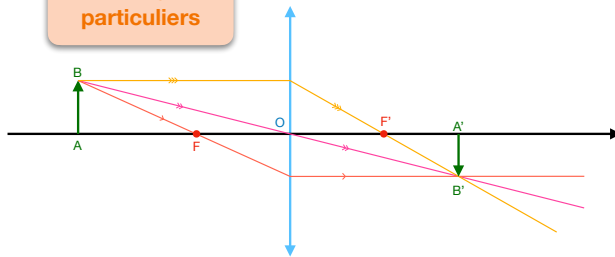
$$\overline{AA'} = AA' > 0$$

$$\overline{A'A} = -AA' < 0$$

$$\overline{AB} = AB > 0$$

$$\overline{A'B'} = -A'B' < 0$$

Les 3 rayons particuliers



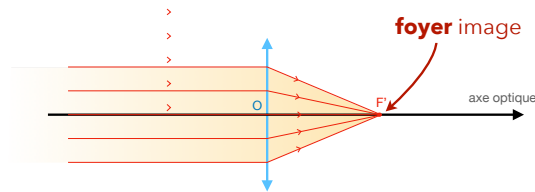
distance focale

$$f' = \overline{OF'}$$

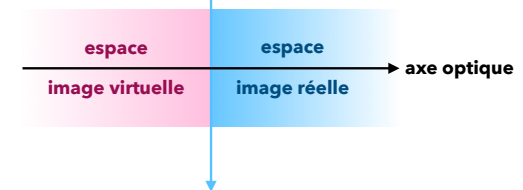
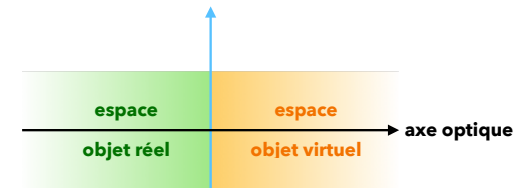
pour une lentille CV,
 $f' > 0$

grandissement

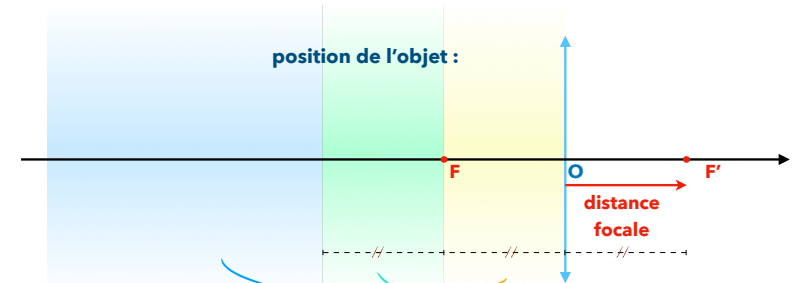
$$\gamma = \frac{\overline{A'B'}}{\overline{AB}}$$



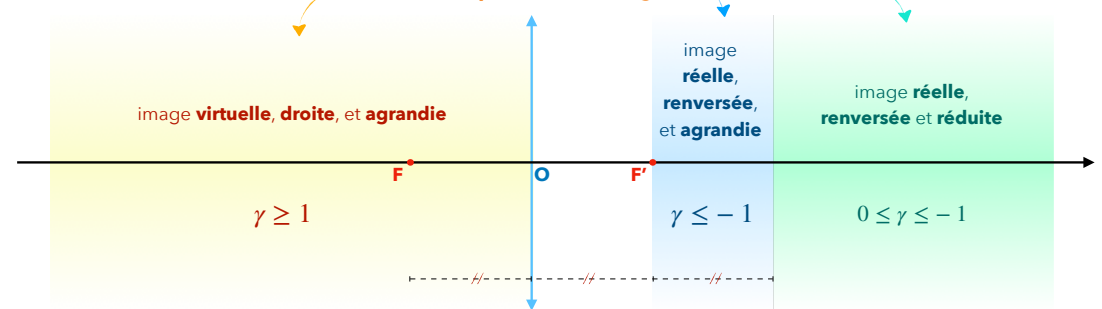
Permet d'estimer f' avec
une source lumineuse lointaine.



position de l'objet :



nature et position de l'image :



$$\overline{OA} = -\infty$$

$$\overline{OA'} = \overline{OF'} = f'$$

$$\overline{OA} = \overline{OF} = -f'$$

$$\overline{OA'} = \infty$$

$$|\gamma| > 1$$

image agrandie

$$|\gamma| < 1$$

image réduite

$$\gamma > 0$$

image droite

$$\gamma < 0$$

image renversée