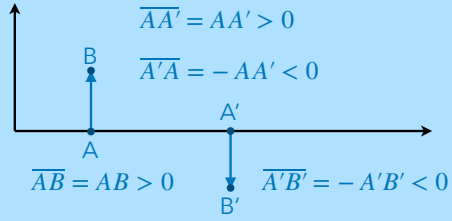
mesures algébriques :

distance + signe



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

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

$\overline{AB} = AB > 0$

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

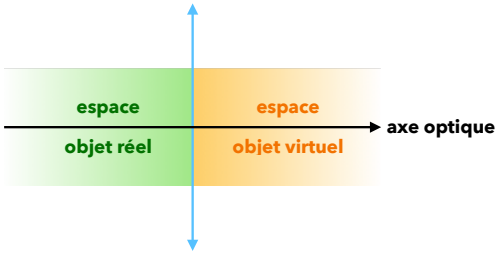
distance focale

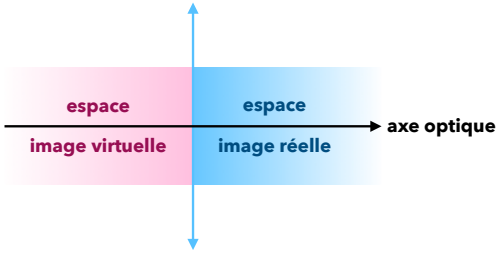
$f' = \overline{OF'}$

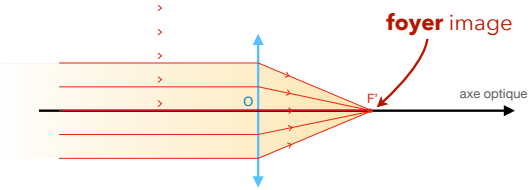
pour une lentille CV, $f' > 0$

grandissement

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

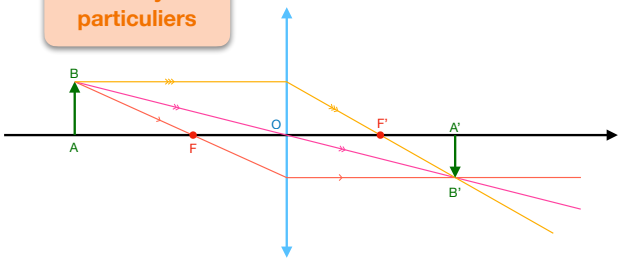






Permet d'**estimer f'** avec une source lumineuse lointaine.

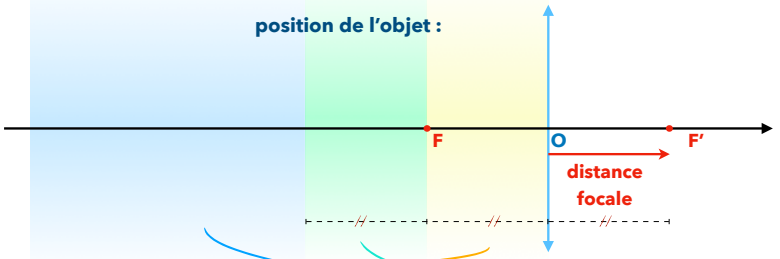
Les 3 rayons particuliers



$\lvert\gamma\rvert > 1$	image agrandie
$\lvert\gamma\rvert < 1$	image réduite
$\gamma > 0$	image droite
$\gamma < 0$	image renversée

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

position de l'objet :



nature et position de l'image :