

**mesures algébriques :**  
distance + signe

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

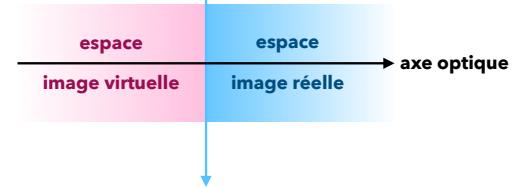
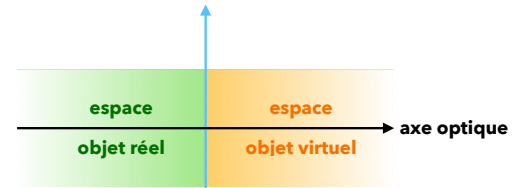
$\overline{AB} = AB > 0$        $\overline{A'B'} = -A'B' < 0$

**distance focale**

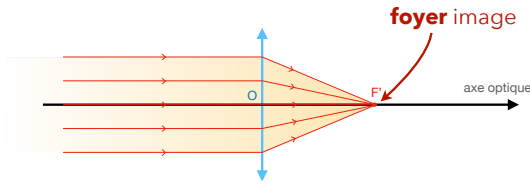
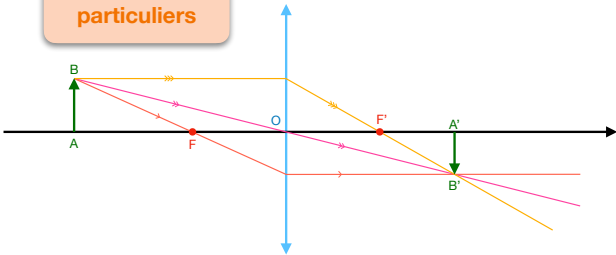
$f' = \overline{OF'}$   
pour une lentille CV,  
 $f' > 0$

**grandissement**

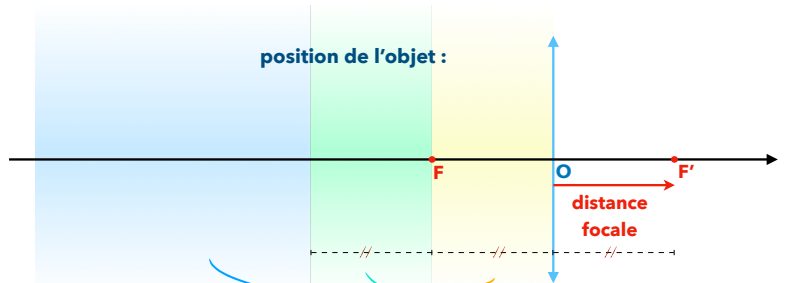
$\gamma = \frac{\overline{A'B'}}{\overline{AB}}$



**Les 3 rayons particuliers**



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



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

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

