

Cours O13 : présentation  
Lentilles

## Différents types de lentilles

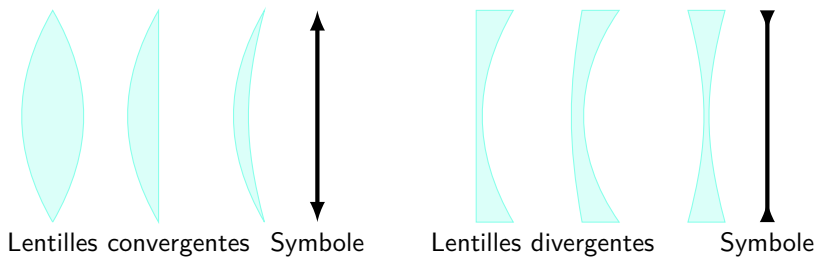


Figure 1

## Centre optique de la lentille

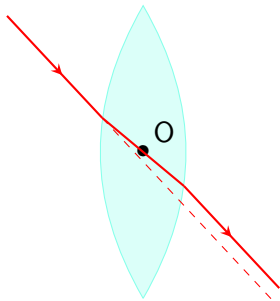


Figure 2

## Foyers pour une lentille convergente

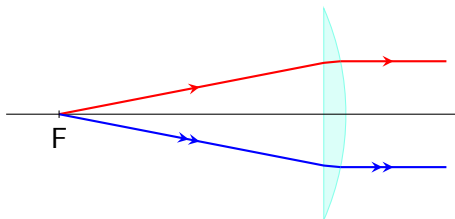


Figure 3

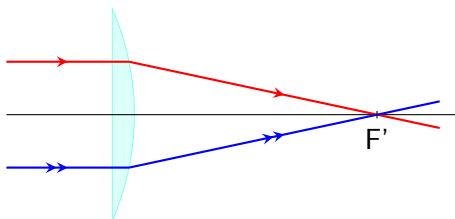


Figure 4

## Foyers pour une lentille divergente

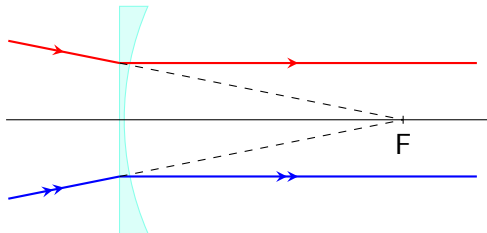


Figure 5

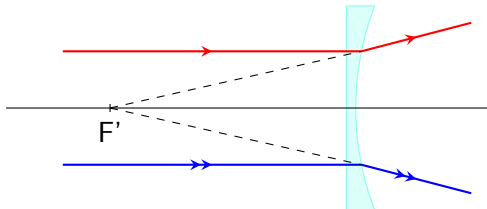


Figure 6

# Construction de l'image d'un objet réel par une lentille convergente

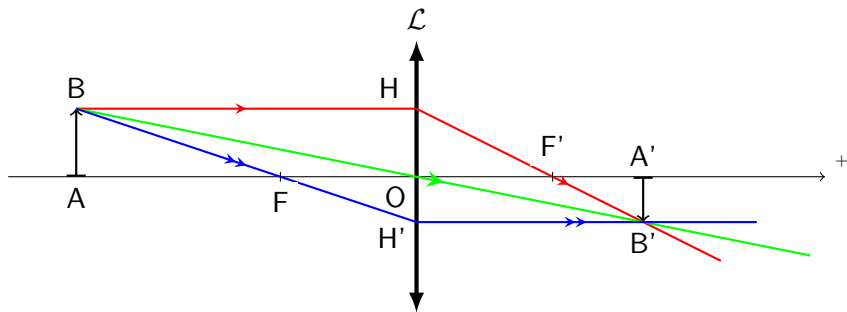


Figure 7

# Lentille convergente : objet réel, image virtuelle

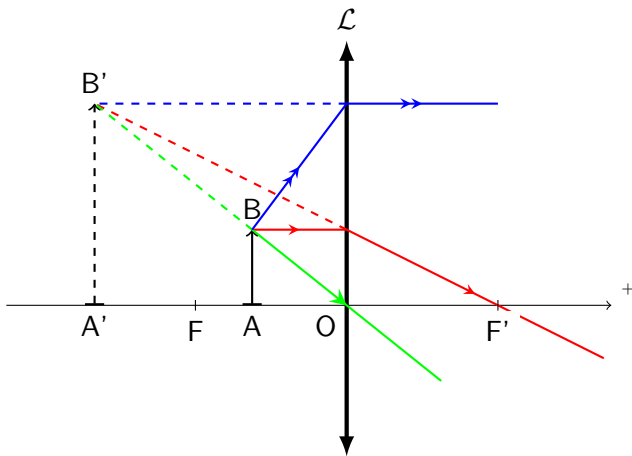


Figure 8

# Lentille convergente : objet virtuel, image réel

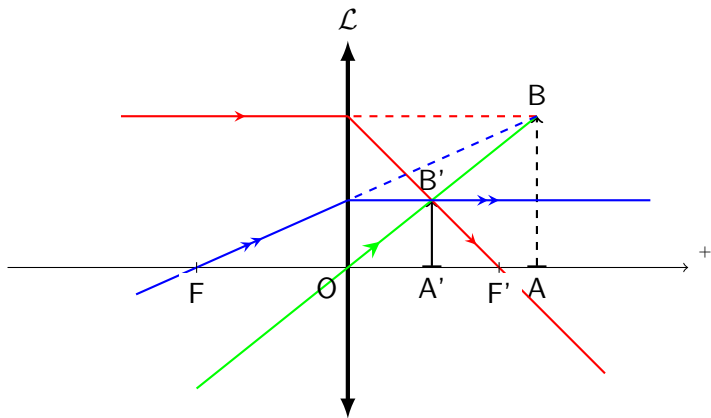


Figure 9



## Lentille divergente : objet réel, image virtuelle

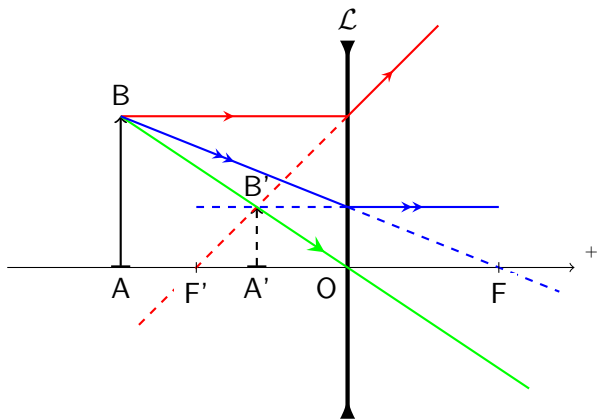


Figure 10

## Lentille divergente : objet virtuel, image réelle

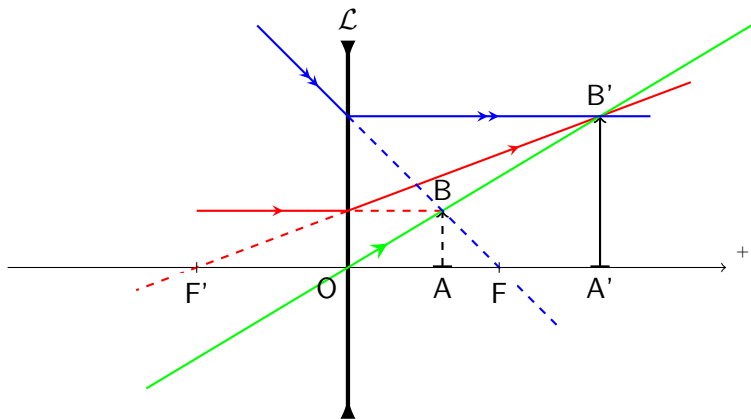


Figure 11

## Lentille divergente : objet virtuel, image virtuelle

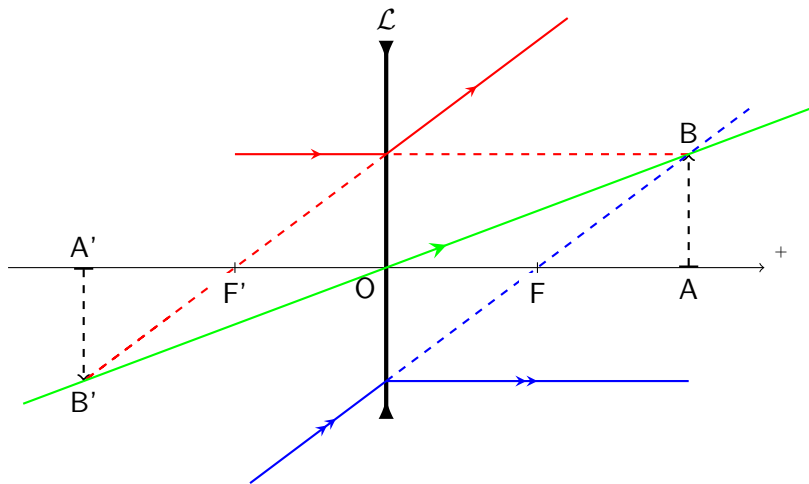


Figure 12

## Lentille convergente : construction de l'émergent correspondant à un incident donné

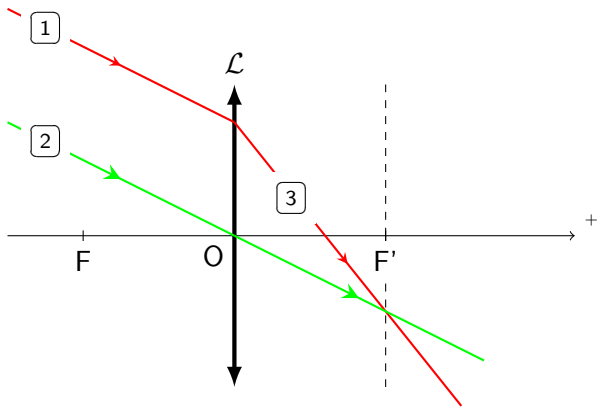


Figure 13 – Utilisation d'un foyer secondaire image

## Lentille convergente : construction de l'émergent correspondant à un incident donné

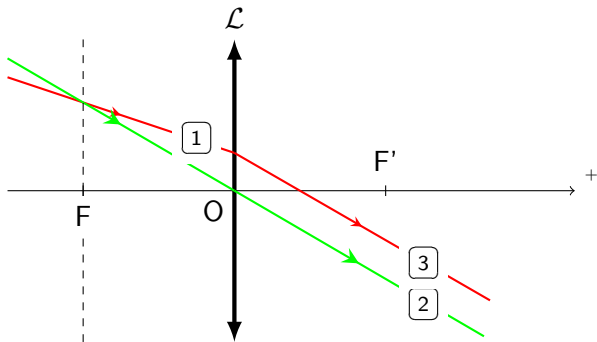


Figure 14 – Utilisation d'un foyer secondaire objet

## Lentille divergente : construction de l'émergent correspondant à un incident donné

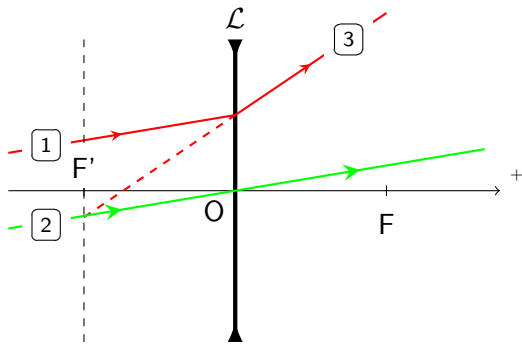


Figure 15 – Utilisation d'un foyer secondaire image

## Lentille divergente : construction de l'émergent correspondant à un incident donné

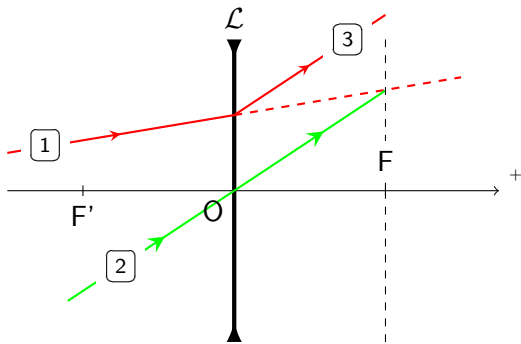


Figure 16 – Utilisation d'un foyer secondaire objet

# Aberration chromatique

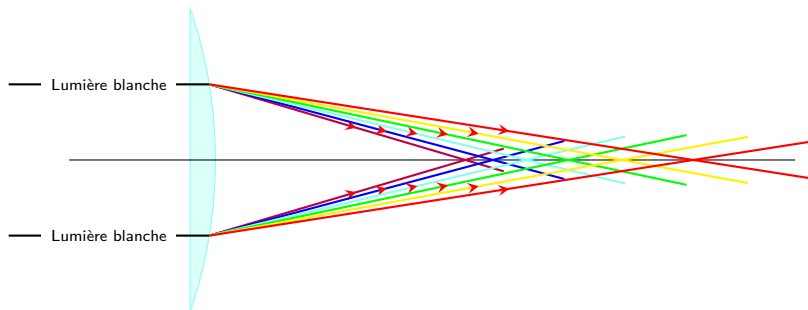


Figure 17



## Aberration de sphéricité

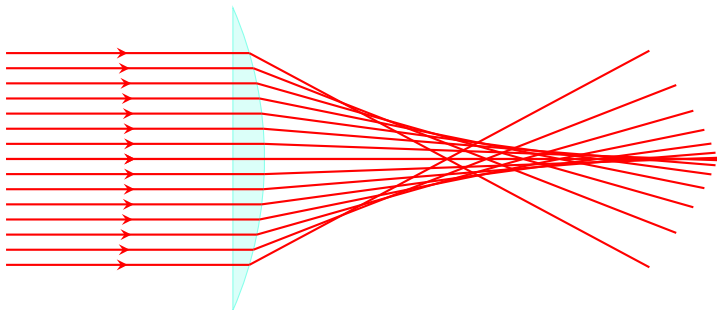


Figure 18

# Distorsion

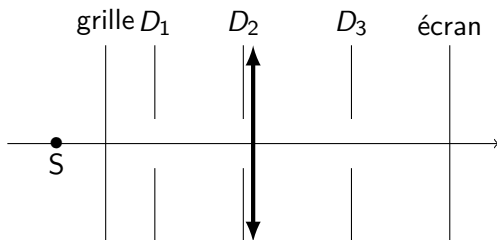


Figure 19

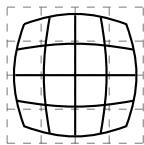


Figure 20 – Diaphragme en  $D_1$

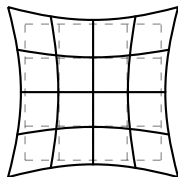


Figure 21 – Diaphragme en  $D_3$