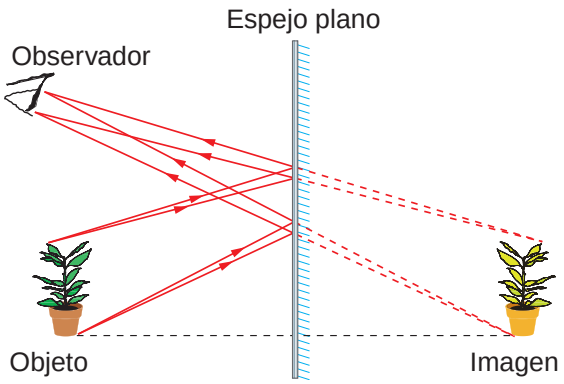
12 ÓPTICA GEOMÉTRICA

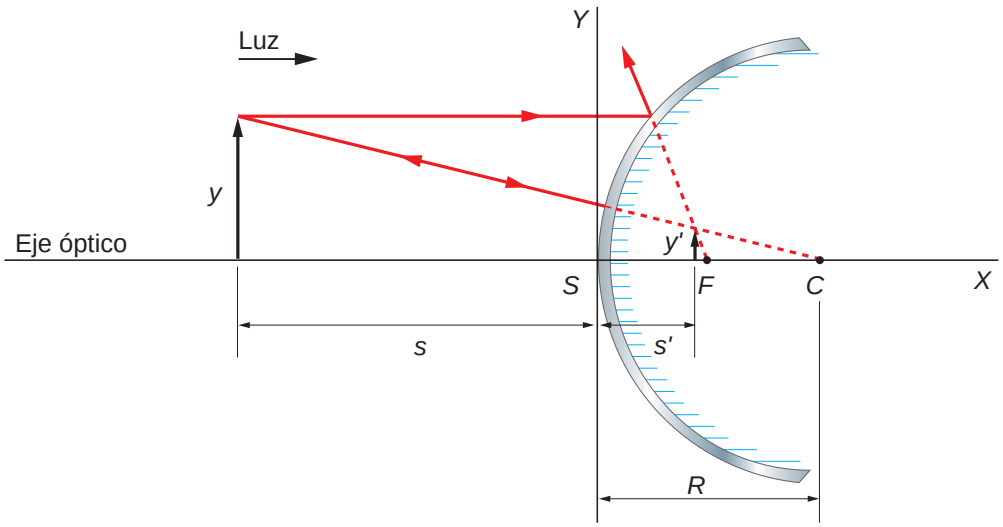
ILUSTRACIONES PARA REALIZAR TRANSPARENCIAS

En este apartado se incluyen ilustraciones que aparecen en el libro del alumno, con el objetivo de facilitar al profesorado la realización de aquellas transparencias que pueden ayudar en la exposición de la unidad.

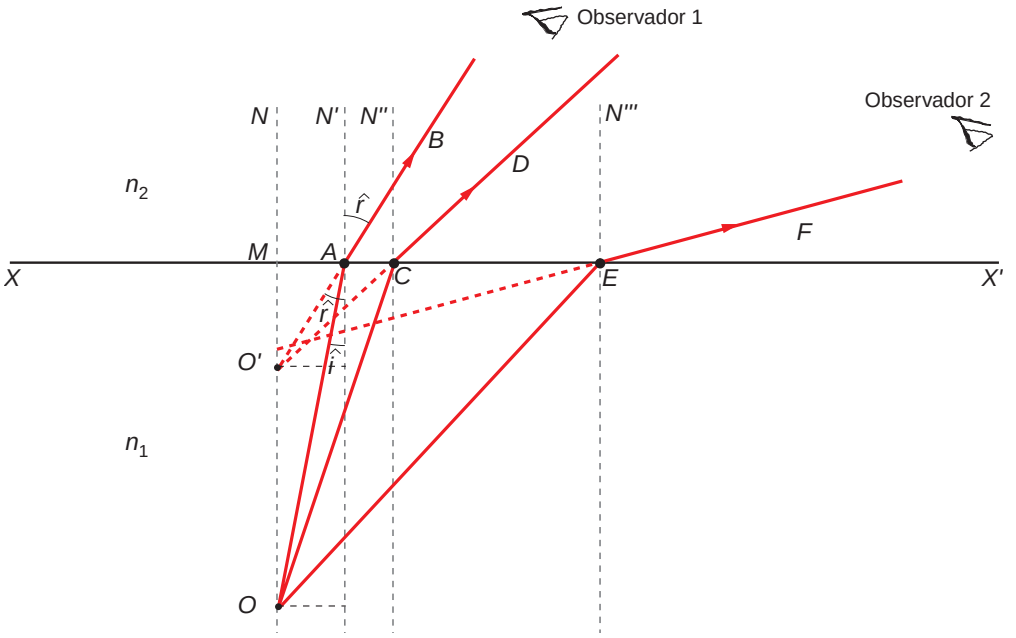
El espejo plano

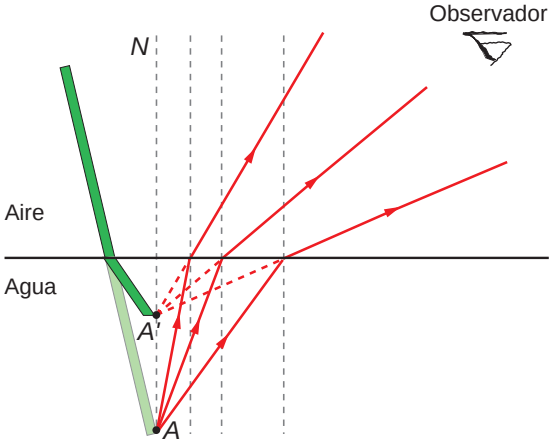


Convenio de signos de la óptica geométrica

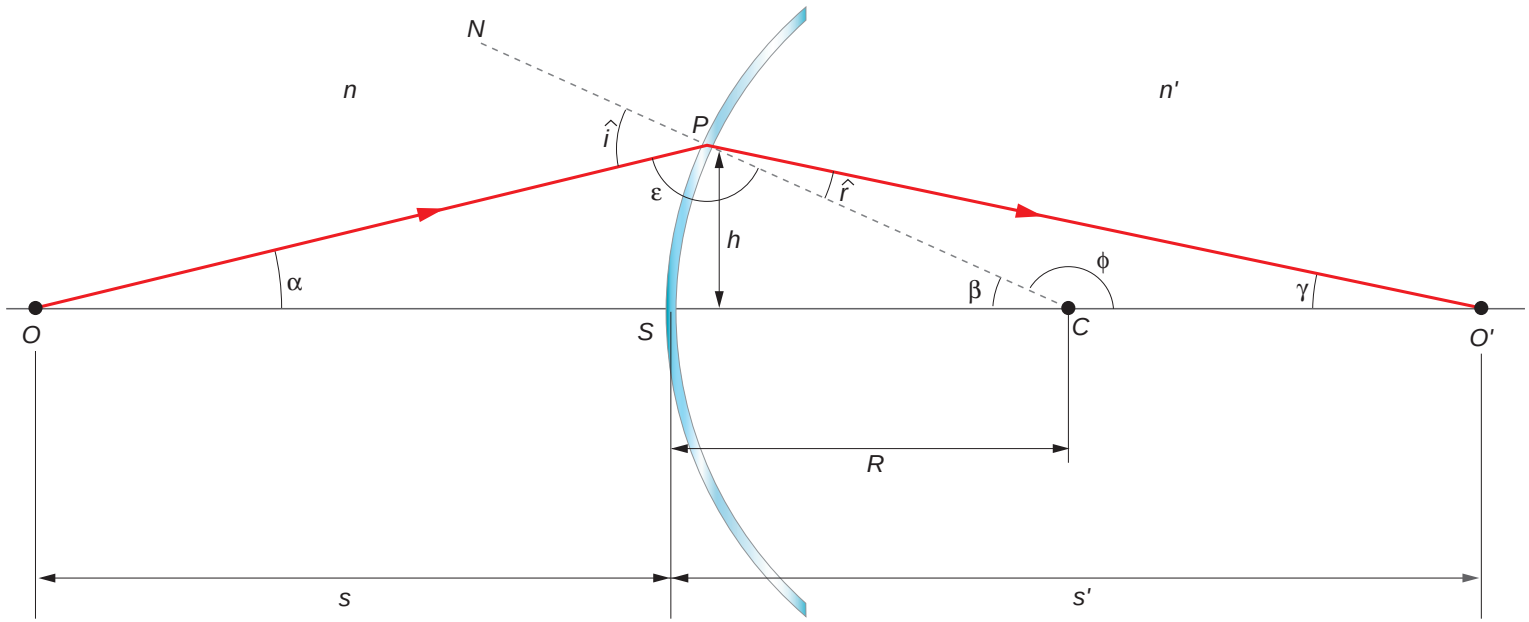


El dioptrio plano

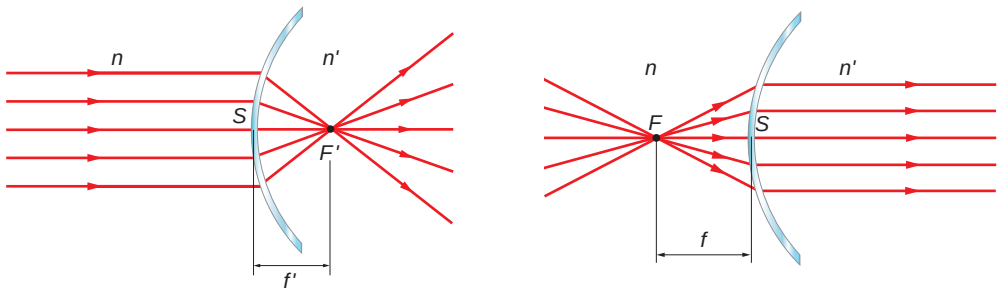




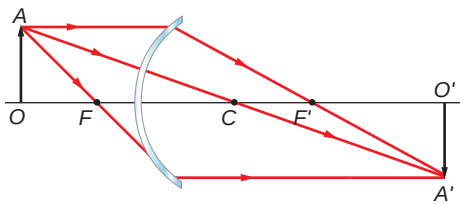
El dioptrio esférico

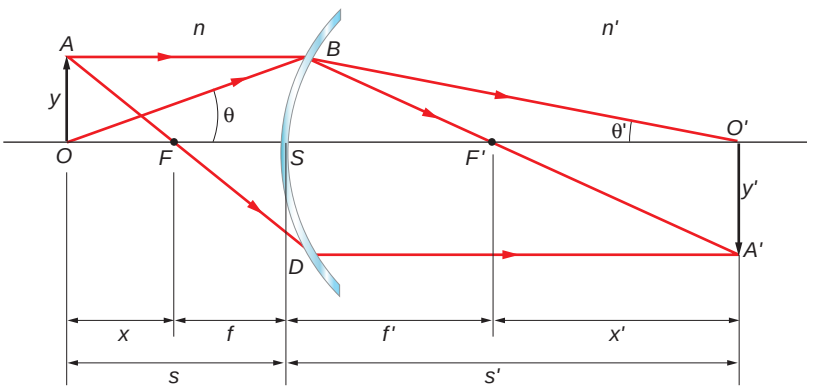


Foco objeto y foco imagen en el dioptrio esférico

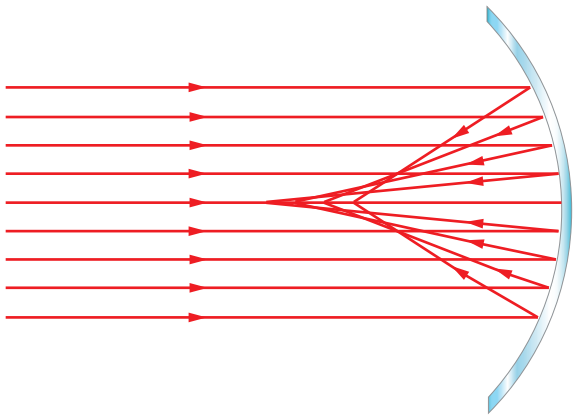


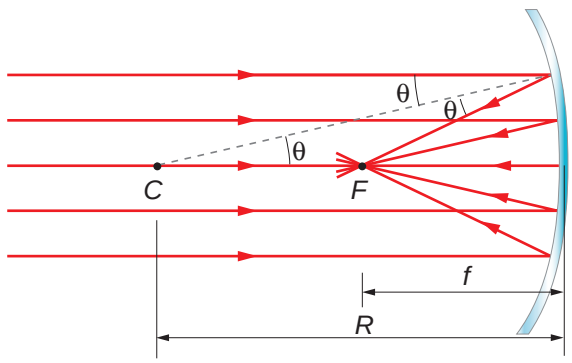
Formación de imágenes en el dioptrio esférico

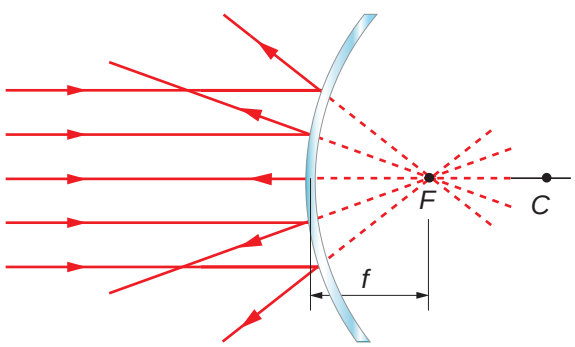




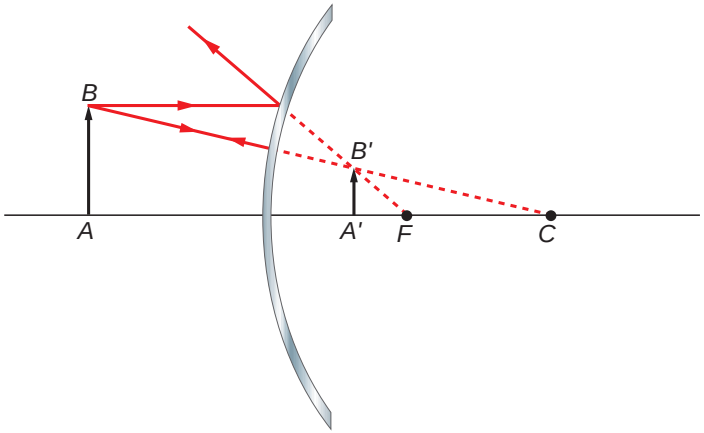
Espejos esféricos

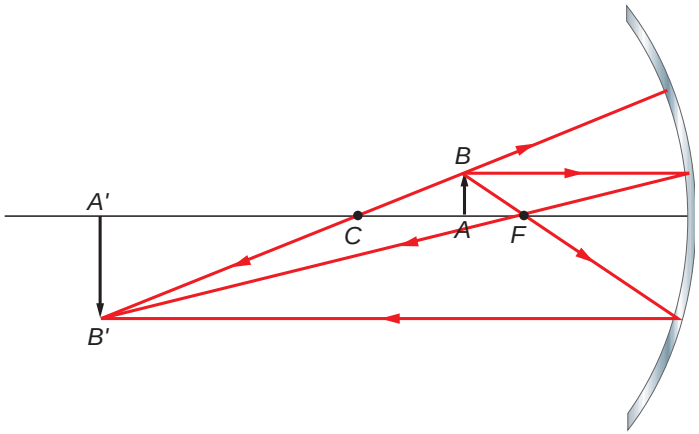


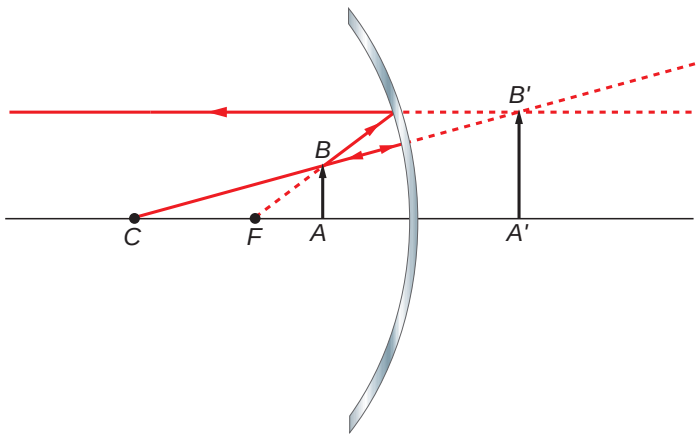


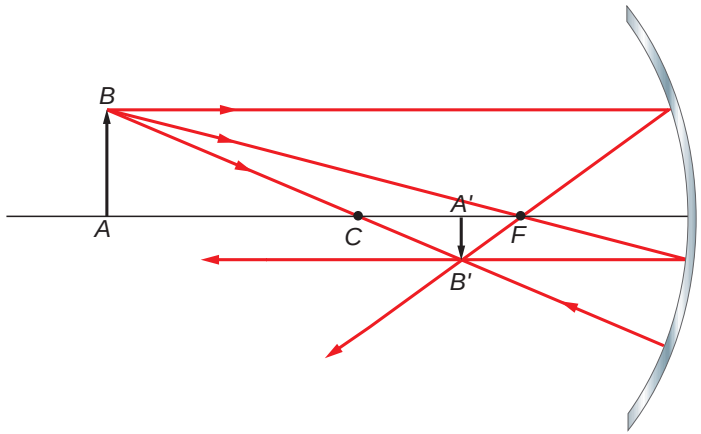


Imágenes en espejos esféricos

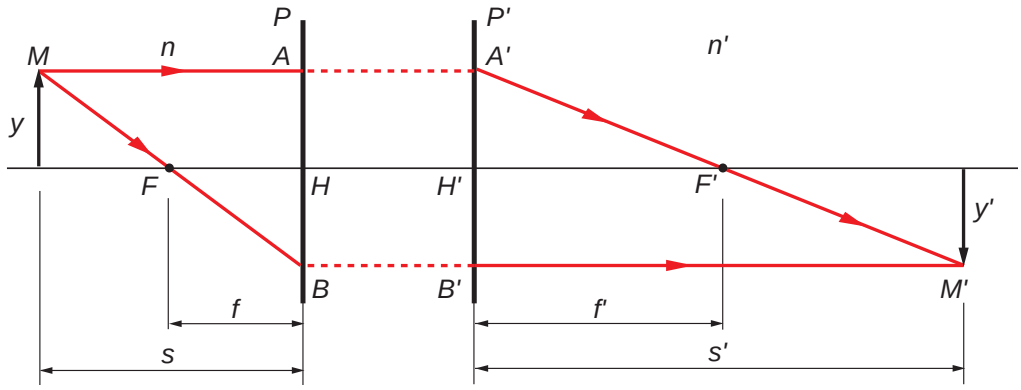


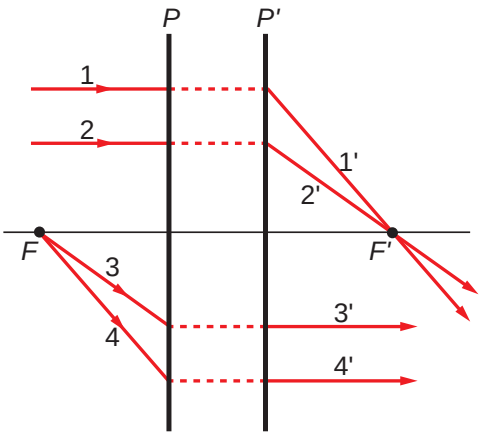


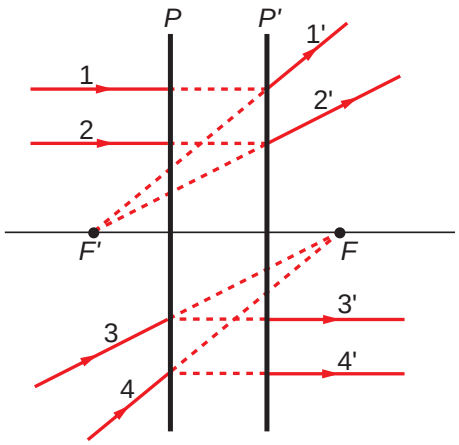




Sistemas ópticos centrados

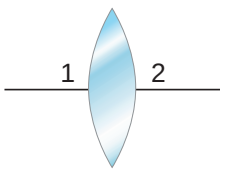






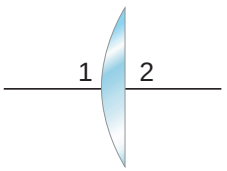
Tipos de lentes esféricas delgadas

Biconvexa



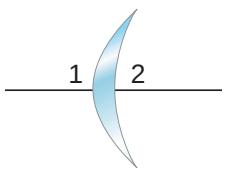
$R_2 < 0 < R_1$

Planoconvexa



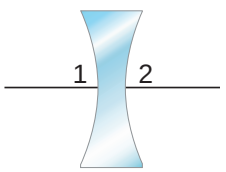
$R_1 > 0;\ R_2 = \infty$

Menisco convergente



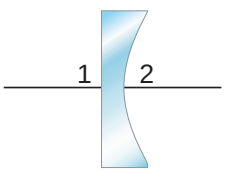
$0 < R_1 < R_2$

Bicóncava



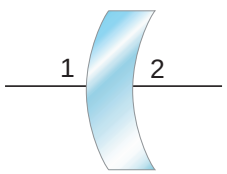
$R_1 < 0 < R_2$

Planocóncava



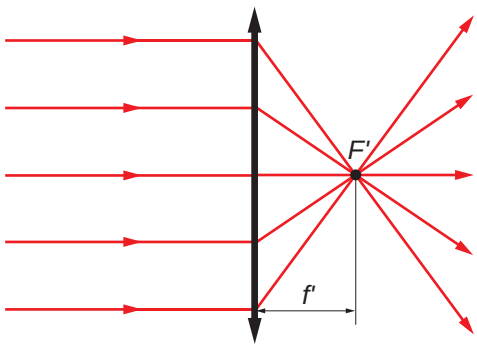
$R_1 = \infty;\ R_2 > 0$

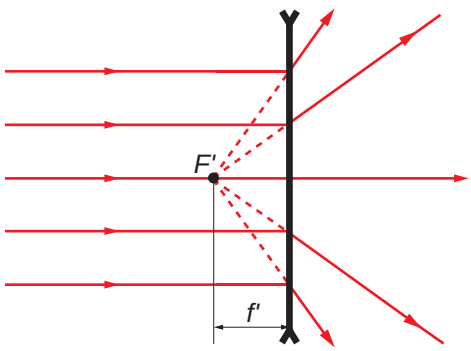
Menisco divergente



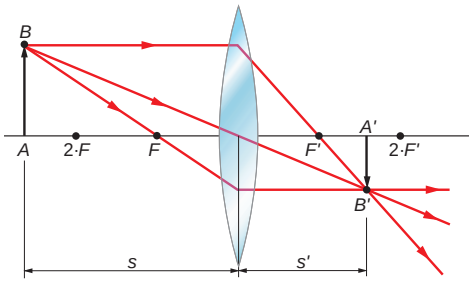
$0 < R_2 < R_1$

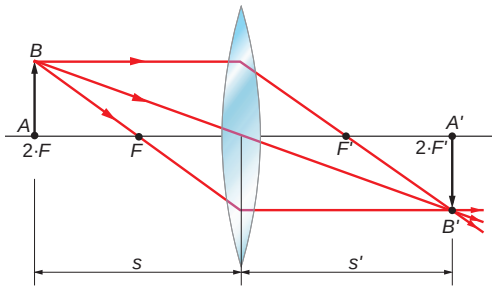
Distancias focales en las lentes delgadas

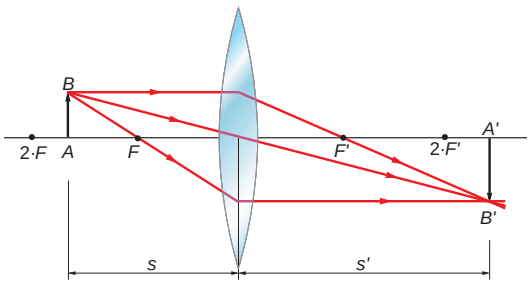


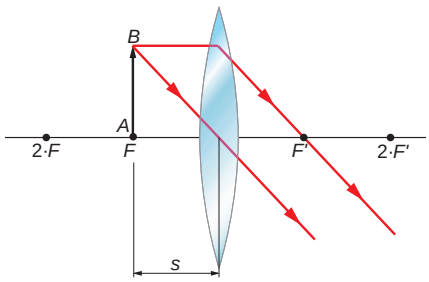


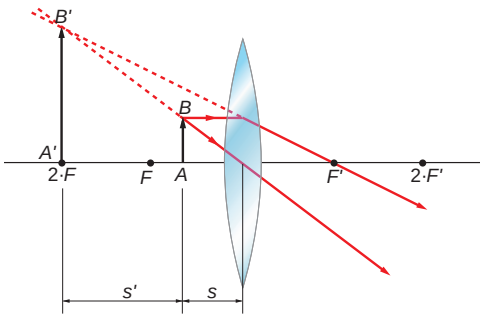
Construcción de imágenes en las lentes delgadas

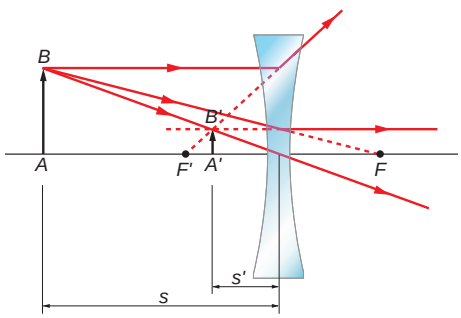




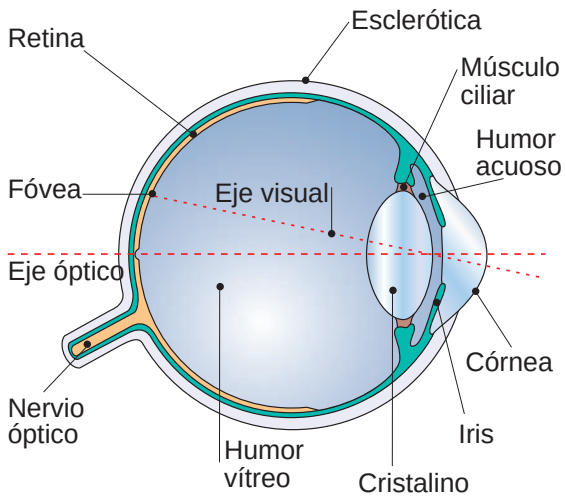




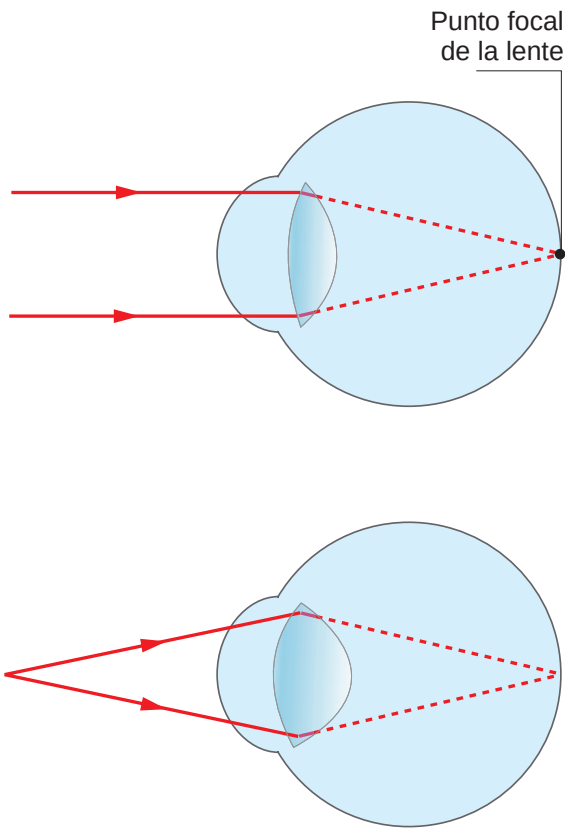




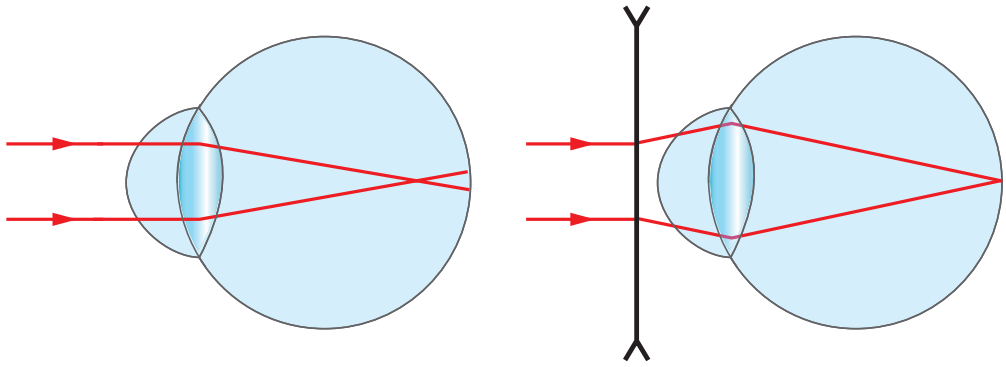
El ojo humano

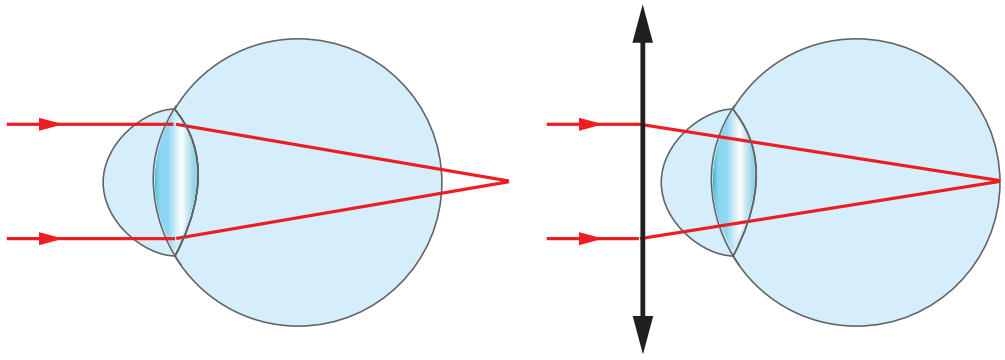


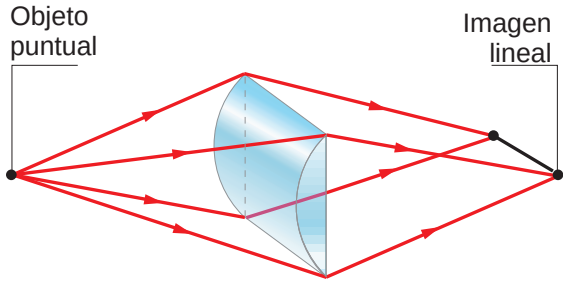
Acomodación del ojo a la visión



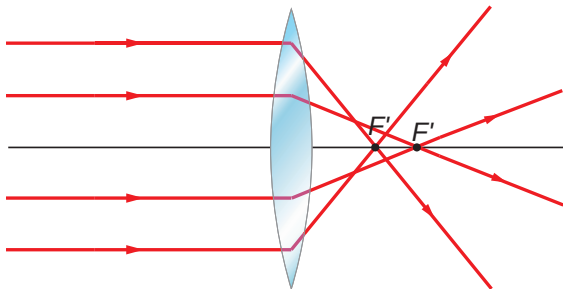
Defectos de la visión

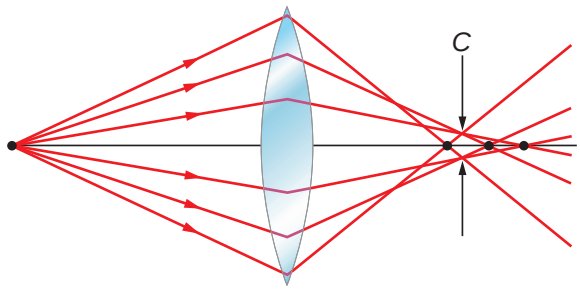


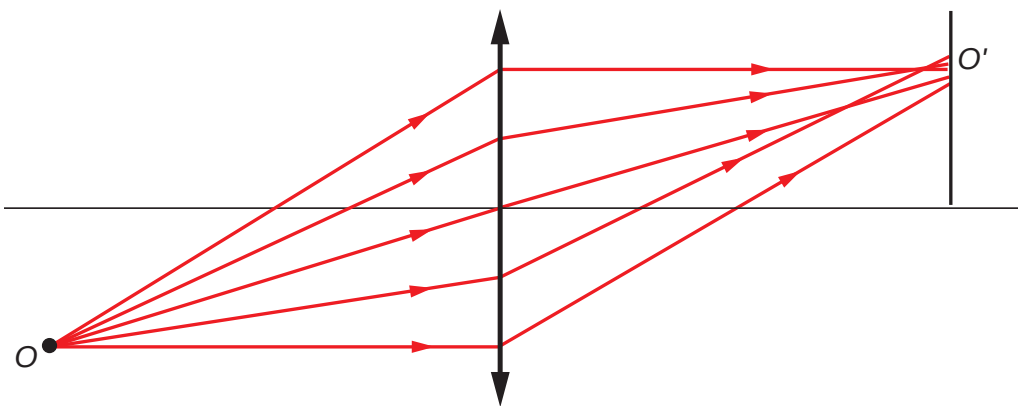




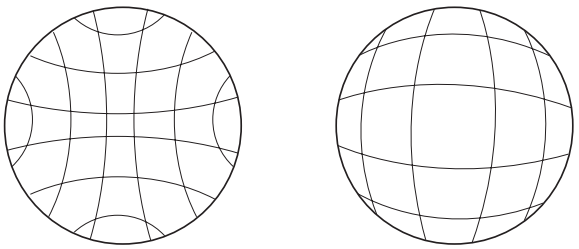
Aberración esférica







Distorsión



Aberración cromática