



كلية المستقبل
قسم الفيزياء الطبية
المرحلة الثانية

مختبر بصريات
تجربة (2)

م.م هبة باسم عباس

Separated mirrors

aim

Calculate the focal length of a concave mirror

theory

When a separate lens is placed in front of a concave mirror, the image is imaginary, and its sign is negative because it is an extension of the rays scattered towards the body.

The radiograph falling on a convex mirror shows that the object placed in the center of the woman's ball produces a moderate and imaginary image. After placing a lens for a mother, the image reflected from the woman and passers-by through the lens will apply to the body, and this only happens when the rays are refracted inside the lens and are directed and fall on the woman in a perpendicular to it and then reflect the same path that fell from

Accounts

1- We measure the distance from the body to the lens u and calculate the distance from the lens v .

2- We measure the distance d between the lens and the mirror.

3- We calculate the molar dimension of the convex mirror $\frac{1}{f} = \frac{u(r-d)}{r-d-u}$.