

## Negative eye piece

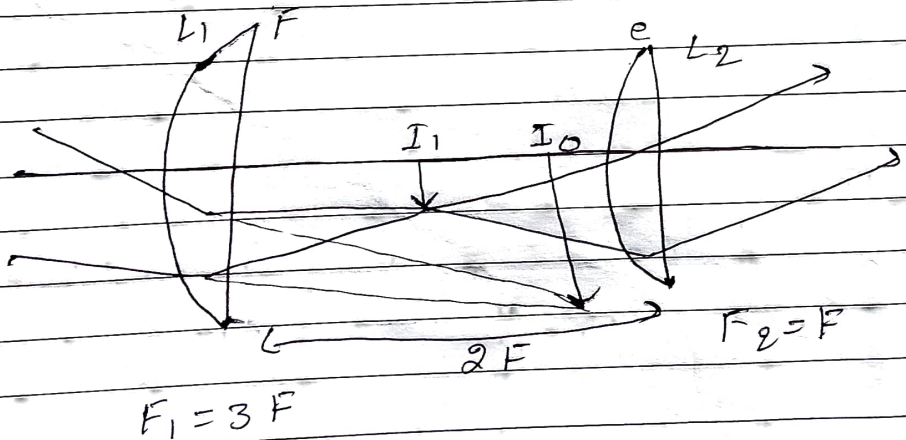
Because Huygen Eyepiece magnify the virtual image of objective lens. Therefore this eyepiece is said to be negative eyepiece.

## Position of cross wire $\rightarrow$

To find the distance between two points of any object cross wire is required.

Two very thin wires perpendicular to each other is called cross wire.

"Cross wire is not used in Huygen eyepiece"



Cross wire in the eyepiece should be placed in that position where the magnification of object and cross wire is same.

If cross wire is placed at  $I_0$  position then  $I_0$  is magnified by both lens but cross wire is magnified only

by  $L_2$ . Hence magnification of cross  
wire and image is not same:

