

Practical 2 – Option G

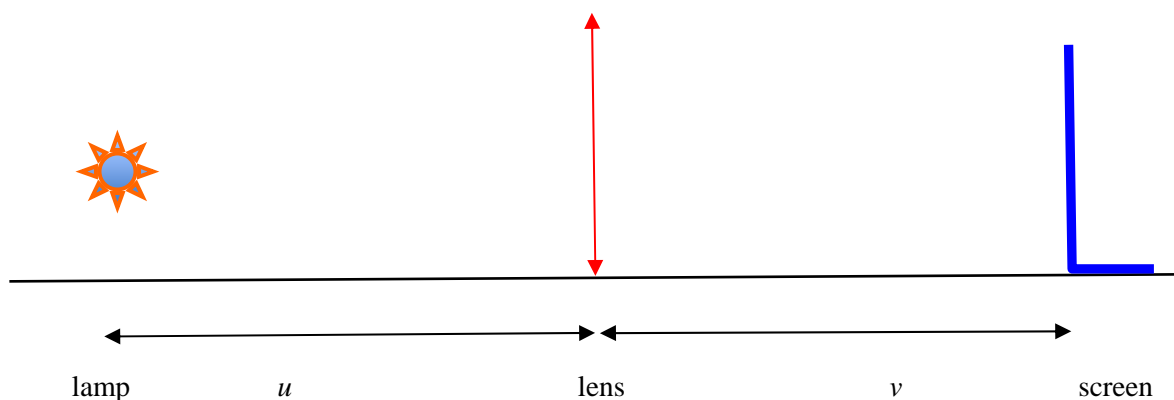
Focal length of a lens

Criteria assessed

- DCP
- CE

Materials needed

- Lamp
- Convex lens
- Screen
- Ruler (not necessary if you have an optical bench)



What to do

- Place the lamp in front of the lens and move the screen until a sharp image of the lamp filament is formed on the screen.
- Record the object and image distances u and v .
- Repeat with different object distances.

Results

- What variables must be plotted so that a straight line is obtained?
- What is the value of the focal length obtained and what is its uncertainty?