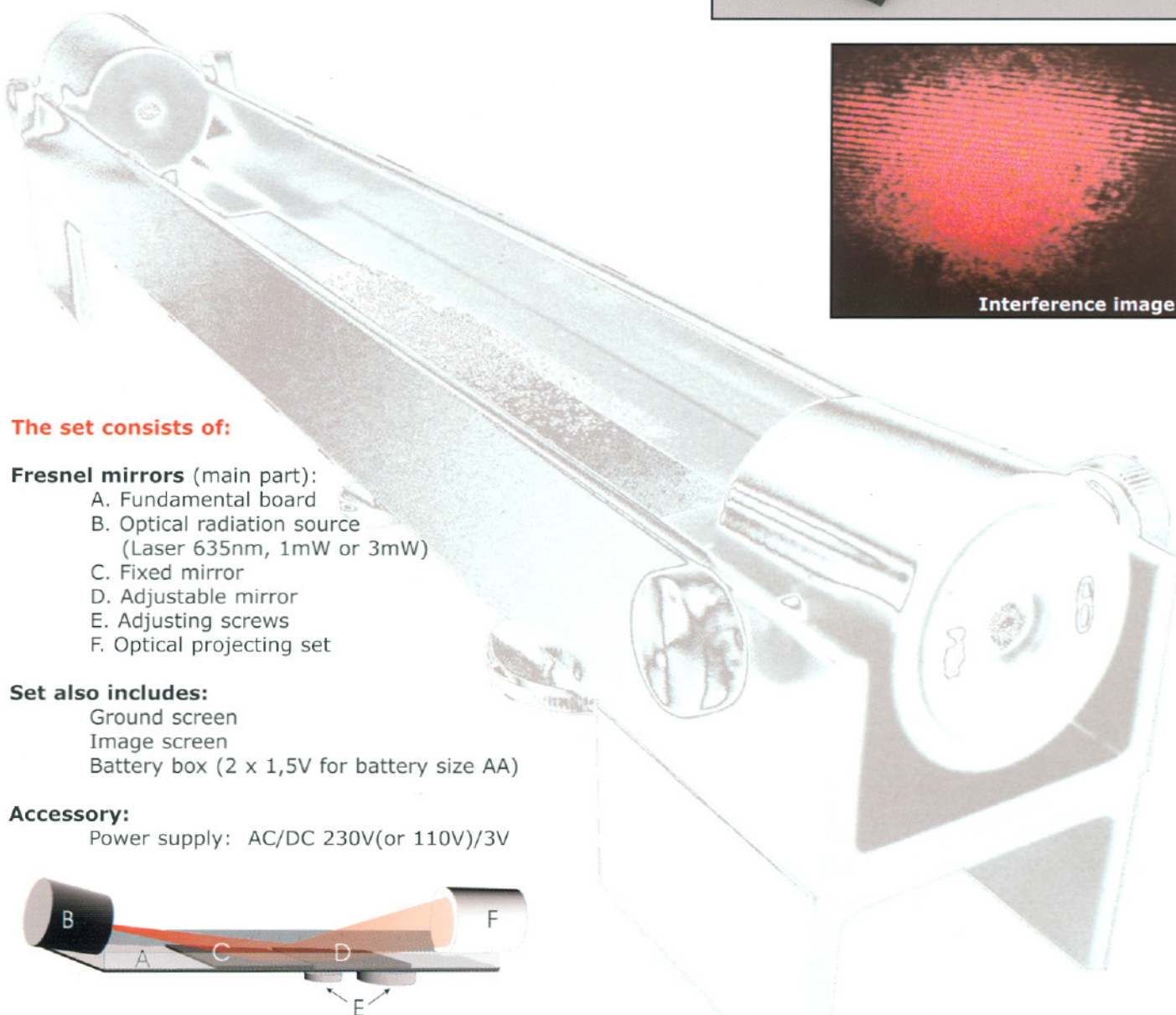
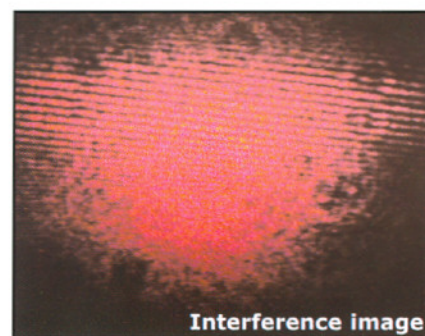
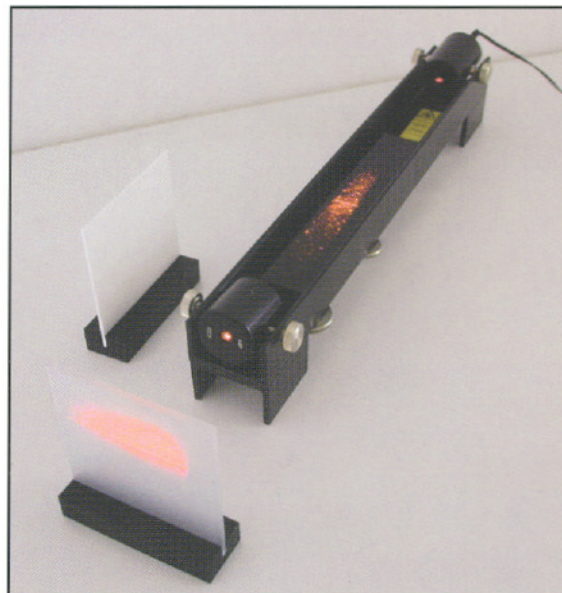


Fresnel Mirrors

What is it? Fresnel Mirrors is an useful didactic tool for clear and dynamic demonstration of light wave principles.

The Fresnel Mirrors didactic tool is using advanced semiconductor laser technology for better explication of the interference effect.

The tool is based on interference of two waves propagated from two planar mirrors. One of the mirrors is fixed and other is adjustable in transversal and longitudinal direction. This allows changing the angle between the two mirrors. The interference image form and parameters are dependent on this angle. The combination of monochromatic light and adjustable mirror angle allows an inclusion of exams, demonstrating the use of interference in praxis by small angles measurement and deformation observation. Using this didactic tool, the interference can be explained more transparently and with active participation of students.



The set consists of:

Fresnel mirrors (main part):

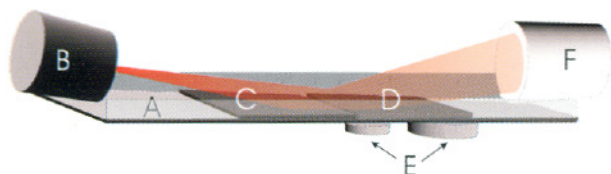
- A. Fundamental board
- B. Optical radiation source (Laser 635nm, 1mW or 3mW)
- C. Fixed mirror
- D. Adjustable mirror
- E. Adjusting screws
- F. Optical projecting set

Set also includes:

- Ground screen
- Image screen
- Battery box (2 x 1,5V for battery size AA)

Accessory:

- Power supply: AC/DC 230V(or 110V)/3V



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