

## Fresnel's laws of reflection

Numero P5.4.1.2



### Descrizione

Closer observation leads to Fresnel's laws of reflection, which describe the ratio of reflected to incident amplitude for different directions of polarization. These laws are quantitatively verified in the experiment P5.4.1.2.

### Dispositivi

Richiesto	Dispositivo
0/1	Cuvette made of optical glass 45 x 12,5 x 102,5 mm
0/1	Prism table
0/1	Halogen lamp 12 V, 50/100W
0/1	Halogen bulb 12 V/100 W, G6.35
0/1	Holder with heat protection
0/1	DC power supply unit 1...32 V/0...20 A
0/1	Iris diaphragm
0/2	Polarisation filter
0/1	Lens in frame, $f=100$ mm
0/1	Lens in frame, $f=150$ mm
0/1	Solar cell, STE 2/19
0/1	Holder for plug-in elements
0/1	Digital multimeter 3340
0/2	Optical bench, S1 profile, 0.5 m
0/1	Swivel joint with protactor scale and clamp
0/1	Clamp rider with clamp 45/65
0/6	Clamp rider with clamp 45/35
0/1	Safety adapter sockets, black, set of 6
0/1	Safety experiment cable, 50 cm, red
0/1	Safety experiment cable, 50 cm, blue
0/2	Safety experiment cable, 50 cm, black