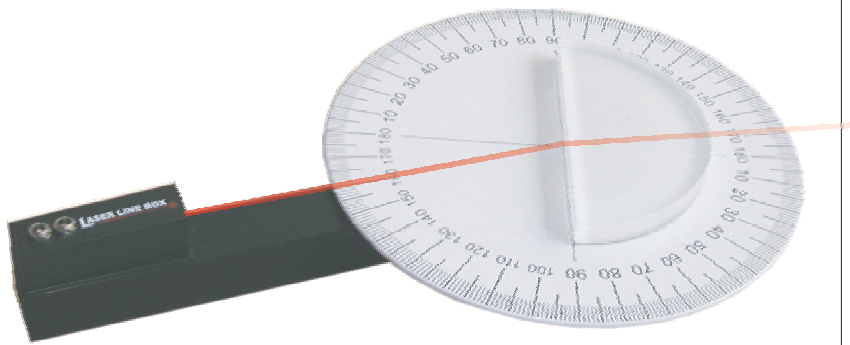


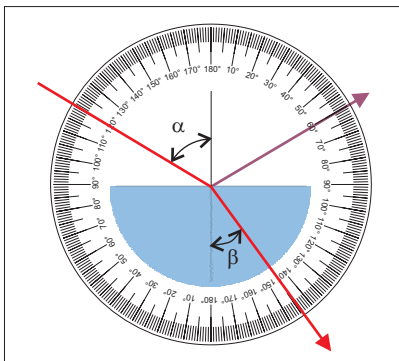
# Hartl Optical Disc

CLASSIC ATTESTED EXPERIMENT WITH THE USE OF LASER LIGHT

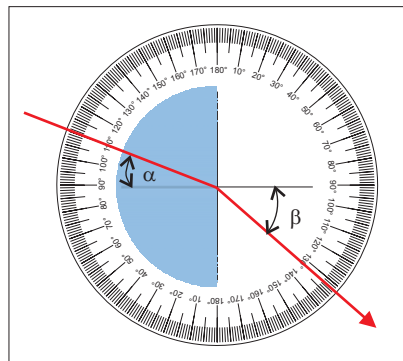


Popular and concrete aid for the explanation of both the principles, reflection and refraction of light in optics environment.

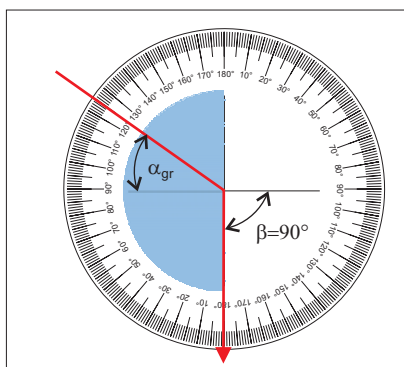
The basis of the aid is a circular base, which can be turned around its axis. By such a means the angle of refraction or reflection of the light beam can be detected on the angular scale. By using of the half-circle optical transparent module there is also possibility to measure the material index of refraction taking into account the Snell's law. The semiconductor laser is used as a light source - Laser Line Box - 1mW with the wavelength of 635nm. Due to the collimated nature of the laser beam, the angles of refraction/reflection are excellently displayed, the experiment is very clear and students can arrange the practical exercise very easily and quickly.



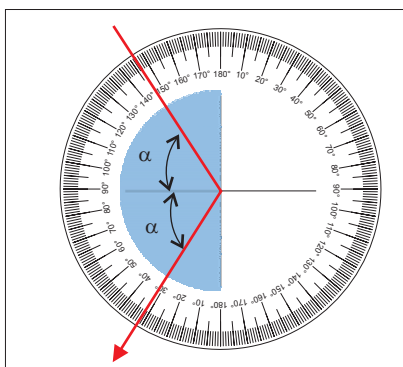
refraction / reflection



refraction



critical angle



total reflection

The high didactic value of the aid is reached with regard to its following features:

- high obviousness of the experiment
- easy arrangement
- up to date laser technology
- acceptable price

The set consists of:

- metal base with the rotating circle and angular scale
- semi-circle optical transparent module
- Laser Line Box
- power supply