## DETERMINATION OF THE REFRACTIVE INDEX OF AIR WHEN MEASURING LINES WITH LIGHT SENSORS IN GEODETIC NETWORKS

Introduction. Refractive index, commonly known as the index of refraction, is a measurement of how much a light beam bends when it passes through one medium and into another. The refractive index n is defined as the ratio of the sine of the angle of incidence to the sine of the angle of refraction, i.e.,  $n = \sin l / \sin r$ , where l is the angle of incidence of a ray in vacuum (angle between the incoming ray and the perpendicular to the surface of a medium, called the normal) and r is the angle of refraction (angle between the ray in the medium and the normal).

Full text