



Latitude for travelling and navigate

Calculate the latitude of the place determining the height of the Sun at noon (experience 1) and, if possible, determine the altitude of the pole or the Polar star (experience 2) and record the results of each experience in the following Table of Results:

Teacher's Name		
School were taking place the experiment		
City and country	Real Latitude	
Day, month, hour=midday*	Solar Declination	Latitude by the Sun
Day, month, hour=	Latitude with the pole **	

This table with the data and results, and 2 or 3 photos of the experiment, must be sent before September 23, 2022 to newsletter.nase@gmail.com

*You can only calculate the latitude with the Sun, when it is at the highest point of its diurnal trajectory, that is, at noon from the Sun. For this reason, the quadrant must be used when the sundial indicates 12 o'clock.

**The latitude with the pole can only be calculated if the polar zone is observed from our city, that is, if we are not in the tropical zone or close to it.

