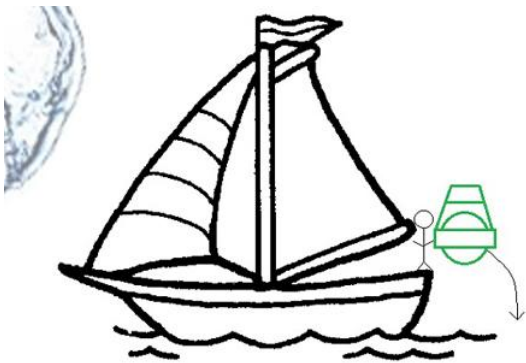
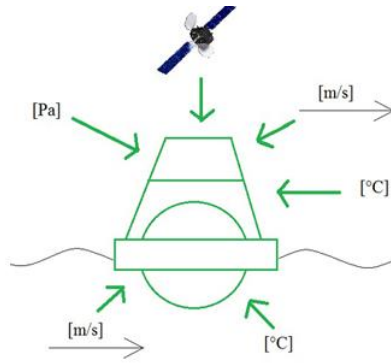
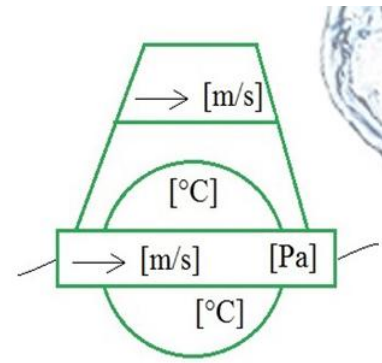




1. Placing the buoy



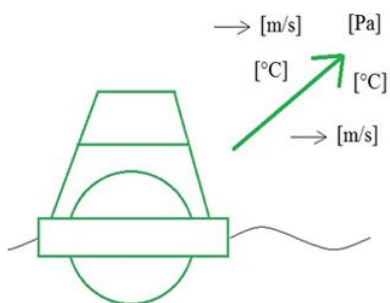
2. Collecting data



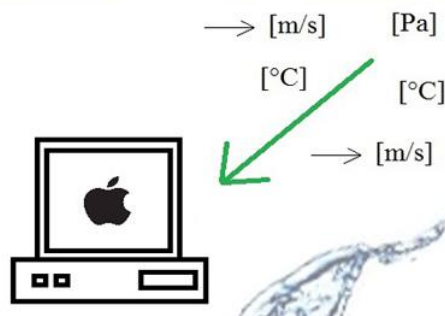
3. Storing data

How the buoy is going to be used...

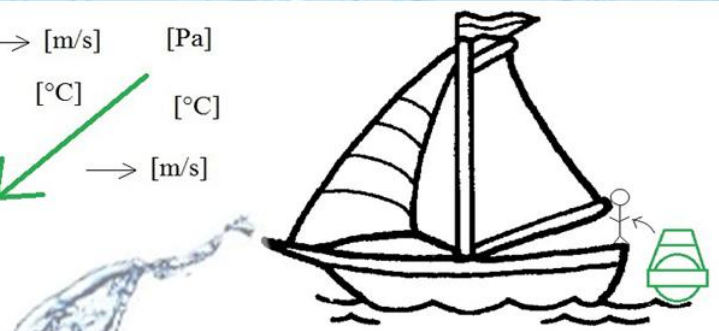
4. Sending data



5. Receiving data



6. Collecting the buoy



Team 3

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Task

Designing and constructing an electronic buoy.

Initial stage

Our buoy has already been partially developed. It is a fiberglass structure which resembles planet Saturn, just as seen in the picture to the right. It is light, relatively small as for a buoy, and empty inside. It is possible to access the interior by unscrewing the bolts and taking off the cover.



Purpose

The general purpose of our buoy is to measure, store and send weather data from its location in a river. It is intended to have two major applications: 1) at autonomous sailing boat regattas 2) for the measurement of selected weather conditions at a chosen site and period. The buoy is going to be equipped with a number of devices, one of which is a GPS module. Its function is to determine the buoy's exact location and the time of each data collection. The remaining equipment is presented in the sketch on the right.

