



11th September 2019

Data analysis of solar measurements

Aims:

- Data analysis and modelling of the solar panel voltage, speed and power.

Done at the google form: <https://forms.gle/En6dE31nEdbfCnhh9>

Resources:

Geogebra. <https://www.geogebra.org/classic>

Google sheet:

https://docs.google.com/spreadsheets/d/1H_YIE1M9IUjBVVC23lhBNHglbgeqnV0WIZUCF7_xZj8/edit?usp=sharing

Activity:

1. Look for the information, which you collected on Tuesday 10th about the voltage of the solar panels, in the Google sheet "[ES worksheet form 6 Voltage Solar panels](https://docs.google.com/spreadsheets/d/1H_YIE1M9IUjBVVC23lhBNHglbgeqnV0WIZUCF7_xZj8/edit?usp=sharing)" (https://docs.google.com/spreadsheets/d/1H_YIE1M9IUjBVVC23lhBNHglbgeqnV0WIZUCF7_xZj8/edit?usp=sharing)
2. Enter in geogebra classic: <https://www.geogebra.org/classic>
3. Construct a graph that relates the independent variable angle and the dependent current intensity. Export the image of the graph and upload it to the google form.
4. Analyse the graph and conclude about "how does this graph helps you to improve the design of the catamaran, constructed on Tuesday?"

