

STUDY:

Study of cloud activity at the "Storm-Alley" region on Saturn

Document: Budget

Author: Eduardo Simón Gil de Muro

Director: Enrique García Melendo

Co-director: Manel Soria Guerrero

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Budget

In this annex, the details of the budget for the thesis "Study of cloud activity at the "Storm-Alley" region on Saturn" are shown in table 1.

As the present thesis is a study, no material cost are associated with it other than the users computer, which will not be taken into account for the budget.

Also, there have not been any dispenses regarding software licenses as the only programs that have been utilized in this thesis has been Matlab, which was freely downloaded thanks to UPC licenses; and LATEX which is a public access writing software.

Thus, the only computer related dispenses are those related to the consumed energy during the development of the thesis and the use of Matlab. Considering that the users laptop has a power around 60 W and that the computer has been working around a 65% of its power, the estimation of the power consumption would be around 39 W. Considering that around 500 hours of the user has been employed for the development of the code, the obtaining of results, the search of documentation and the writing of the report, a estimated total consumption of 19.5 kWh is obtained.

According to the users bills, the cost of the kWh is of $0.33 \in$, therefore the total energy cost is of $6.435 \in$ are obtained.

On another note, given that the meetings between the teacher and the student were via online, there were not costs related to those meetings.

Finally, considering a salary of a junior engineer of around $15 \notin /h$, the users total salary would be around $7500 \notin$. Similarly, considering a salary of a senior engineer of $40 \notin /h$ and about 50 hours dedicated to the project by the tutor, his total salary would be of $2000 \notin$ approximately.

Concept	Units	Cost per unit	Total
Energy cost	19.5 [kWh]	0.33 [€/kWh]	6.435 €
Student's hours	500 [h]	15 [€/h]	7500 €
Director's hours	50 [h]	40 [€/h]	2000 €
TOTAL			9506.435 €