Escola Tècnica Superior d'Enginyeries
Industrial i Aeronàutica de Terrassa

UNIVERSITAT POLITÈCNICA DE CATALUNYA

BUDGET

- Degree in aerospace vehicles engineering

- Final work title:

    – Study of supercritical airfoils by means of computational fluid dynamics

- Done by:

    – Miguel García Cepeda

- Director of the study:

    – David del Campo Sud

- Delivered on January 9, 2015 (Autumn session, 2014)

- ETSEIAT (UPC)

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Part I
BUDGET

For the budget, the time spent using the computer will be translated into money considering the amortization and the energy consumption. Also, the salary will be taken into account.

640 hours of computer usage have been spent, so with an energy price of 0.134 €/KWh (0.06 €/KWh during ten hours in the night) and 300 W of computer power (http://www8.hp.com/es/es/home.html), the cost of the energy is 19.81 €.

Three months using the computer are required, an it is expected that the lifetime of the computer is 4 years. As the computer cost 599 €, the cost of the use is 37.44 €.

With 8 €/hour, the salary is 5120 €.

The software used, the Academical Ansys, is free.

Concept	€
Electric consumption	19.81
Computer usage	37.44
Salary	5120
Total	5177.25

Table 1: Budget