

**SIMULATION OF THERMODYNAMICS
CYCLES ON A COMPUTER**

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Project Report
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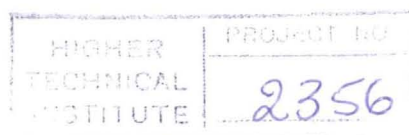
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Summary:

Simulation of Thermodynamics cycles on a computer

The analysis of the project was based on the following objectives:

- a) Analysing the most common thermodynamics and refrigeration cycles
- b) Creating a computer program for analysing the chosen cycles
- c) the program must be suitable for educational

The chosen cycles are:

Carnot, Rankine, Otto, Diesel, Brayton, Mixed

The theory of the cycles was analysed and also a variation of some of the above cycles were discussed too.

The program was chosen to be written using the Pascal language, because of the advantage that the language can give to programmer.

The project as a whole will be very helpful to the mechanical students because will cover theory of the cycles and will include an instruction - manual of the program.

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