

# Lab class: Autonomous robotics

## Report 1

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### 1 Introduction

(TODO: remove explanations from document but fill this with examples of text and so on)

1. Explains the problem that is being solved and the context in which it arises.
2. Explains the approach you used to solve the problem. This is a description on an abstract, conceptual level, without going into technical details.

Use figures like Figure 1 to bring across your point and make sure to reference all figures in the text.

### 2 Method

Explains how the solution was implemented technically. Here, this should be a run-through of your program code, where you explain what the code does.

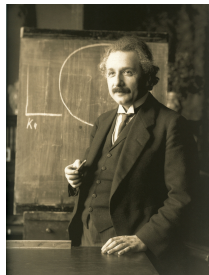


Figure 1: Albert Einstein

You do not necessarily have to go line by line, but rather chunk by chunk. You may want to list little chunks of code, like this:

```
n = 10;
f = n;
while n > 1
    n = n-1;
    f = f*n;
end
```

Use this section to show us that you understand the code. Not describing part of the code here will lead to a deduction of points.

If you would like to include formulas in your text, this is something  $\text{\LaTeX}$  is very good at:

$$E = mc^2. \tag{1}$$

Make sure to explain variables and terms in equations; for example, in Equation 1,  $E$  is energy,  $m$  is the mass of an object, and  $c$  is the speed of light.

### 3 Discussion

Explains how problem and solution relate to other work. In your reports, use this section to explain how this problem is different from previous problems, what the advantages of your solution are, and what may still be missing.

### 4 Feedback

How much of a challenge was the problem for you? What was the most challenging part? How challenging was the writing? Writing two or three sentences is enough here. (This section is not part of scientific publications but helpful for us. It will not be graded, but much appreciated!)