VNA2V-W21: Lab X

Student A and Student B

I. Deliverable 1

A. Math Equations

For example, one can type the following equation:

$$\boldsymbol{t}^W = \boldsymbol{R}_r^W \boldsymbol{t}^r = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} 1 \\ 1 \\ 1 \end{bmatrix} = \begin{bmatrix} 1 \\ 1 \\ 1 \end{bmatrix}. \tag{1}$$

Later in the course, you may want to type an optimization problem:

$$f^\star = \min_{\boldsymbol{x} \in \mathbb{R}^n} \quad f(\boldsymbol{x}), \tag{2}$$

$$\text{subject to} \quad \boldsymbol{x} \in \mathcal{X}, \tag{3}$$

and refer to this optimization as problem (2). For mathematical symbols, it is suggested that you define shortcuts to commonly used symbols and formats.

B. Lists

You may also make your answers more organized by using *bulleted list*:

- Observation 1 ...
- Observation 2 ...

and *numbered list*:

1) Observation 1 ...
2) Observation 2 ...

C. Citations

You can make a citation to a paper by [1].

D. Figures

You can also include a plot in Fig. 1.

Fig. 1. A drone.

II. Deliverable 2

One can refer Deliverable 1 in Section I.

References

[1] B. K. Horn, "Closed-form solution of absolute orientation using unit quaternions," *Josa a*, vol. 4, no. 4, pp. 629–642, 1987.