Introduction to Robotics

Assignment #0

Student Name 1	Student Name 2	Student Name 3
Matriculation No.1	Matriculation No.2	Matriculation No.3

Task 0.1 (8 points) Pyramid:

Your solution here.

0.1.1 (4 points):

Your solution here.

Task 0.2 Some example LaTeXsnippets:

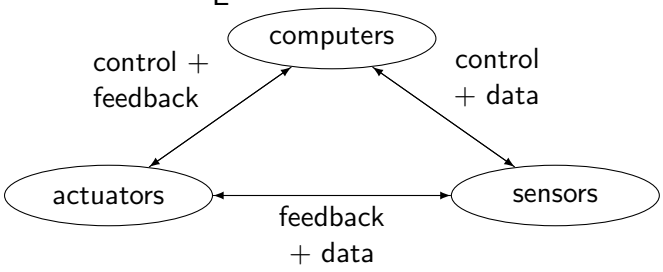
- In-Text math mode: Rotation by $\psi = 30°$ around M_w
- Matrix in an equation without numbering:

$$ {}^{A}T_{B} = \begin{bmatrix} 1/\sqrt{2} & 1/\sqrt{2} & 0 & 1 \\ -1/\sqrt{2} & 1/\sqrt{2} & 0 & 1 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix} $$

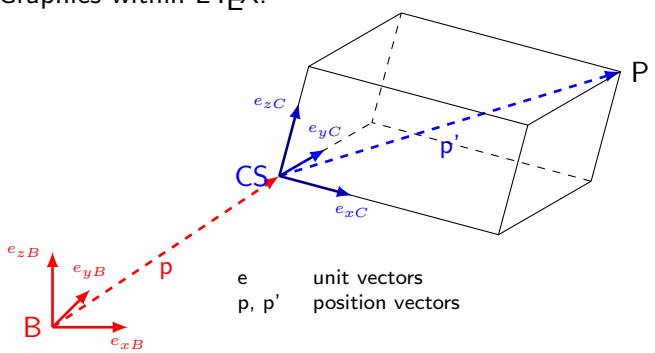
- Matrix in an equation with numbering:

$$ {}^{B}T_{C} = \begin{bmatrix} \sqrt{3}/2 & -1/2 & 0 & 2 \\ 1/2 & \sqrt{3}/2 & 0 & 1 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix} \tag{1} $$

- Schematics in LaTeX:



- Graphics within LaTeX:



- 3D-Graphics for experienced LaTeXusers: