HW2.4. Find the inverse transformation

The position and orientation of frame 0 in the coordinates of frame 9 are:

$$p_{90} = \begin{bmatrix} 0.94457212 \\ -0.78062810 \\ -0.52258583 \end{bmatrix} \qquad R_{90} = \begin{bmatrix} -0.55594366 & & \\ 0.22407658 & & \\ -0.80044758 & & \end{bmatrix}$$

matlab | python

```
p_0in9 = [0.94457212; -0.78062810;
-0.52258583];
R_0in9 = [-0.55594366 -0.16454298
-0.81477129; 0.22407658 -0.97359030
0.04372208; -0.80044758 -0.15826415
0.57813158];
```

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Find the position and orientation of frame 9 in the coordinates of frame 0:

$p_{09} =$ matrix (rtol=0.01, atol=1e-08)

$R_{09} =$ matrix (rtol=0.01, atol=1e-08)

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Single attempt

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Additional attempts available with new variants

Homework 2

Assessment overview

Total points: 20/20

Score: 100%

Question

Value: 1

History: 1
1

Awarded points: 1/1

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