HW3.4. Find angular velocity with respect to a different frame

The orientation of frame 1 in the coordinates of frame 0 is:

$$R_{01} = egin{bmatrix} -0.86 & -0.43 & -0.26 \ -0.47 & 0.88 & 0.11 \ 0.19 & 0.22 & -0.96 \end{bmatrix}$$

The angular velocity of frame 0 with respect to frame 1 in the coordinates of frame 0 is:

$$w_{1,0}^0 = egin{bmatrix} 0.25 \ 0.05 \ -0.53 \end{bmatrix}$$



Find the angular velocity of frame 1 with respect to frame 0 in the coordinates of frame 1:

$$w_{0,1}^1=\mod \operatorname{matrix}$$
 (rtol=0.01, atol=1e-08)

Save & Grade
Single attempt

Save only

Additional attempts available with new variants

8

Homework 3

Assessment overview

Total 23/23 points:

Score: 80%

Question

Value:

2

History:

2

4

5

1

Awarded points: 5/5

Report an error in this question

Previous question

Next question

Attached files

No attached files

Attach a file

Attach text