

HW4.7. Find spatial twist given body twist

Given the body twist  $\mathcal{V}_{sb}^b$  and the pose  $T_{sb}$ , find the spatial twist  $\mathcal{V}_{sb}^s$ .

Python

```
import numpy as np

V_sb_in_b = np.array([[ -0.05507589],
[ -0.87196735], [ -0.76625946], [0.98295063],
[ -0.66818747], [ -0.33277661]])
T_sb = np.array([[ -0.34126834, 0.29477382,
0.89254934, 0.86404706], [ -0.62562451,
0.63744439, -0.44973172, 0.18564633],
[ -0.70151970, -0.71187994, -0.03312187,
-0.75626894], [0.00000000, 0.00000000,
0.00000000, 1.00000000]])
```

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$V_{sb}^s =$

matrix (rtol=0.01, atol=1e-08)



Save & Grade  
Single attempt

Save  
only

Additional attempts available  
with new variants



Homework 4

Assessment  
overview

Total 22/22  
points:

Score: 110%

Question

Value: 2

History: 1  
2

Awarded points: 2/2

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Attached  
files

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Attach a file

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