HW1.5. Find the coordinates of a point in a different frame in 2D

The position and orientation of frame 6 in the coordinates of frame 9 are:

$$p_6 = egin{bmatrix} 0.12626036 \ 0.48217070 \end{bmatrix}$$

$$R_{96} = egin{bmatrix} -0.99586956 & 0.09 \ -0.09079551 & -0.9 \end{bmatrix}$$

A point q in the coordinates of frame 6 is:

$$q_6 = egin{bmatrix} 0.35313718 \ 0.46583079 \end{bmatrix}$$



Find q in the coordinates of frame 9:

 $q_9 =$ matrix (rtol=0.01, atol=1e-08)

Save & Grade Single attempt

only

Save Additional attempts available with new variants

8

Homework 1

Assessment overview

Total 30/30 points:

> Score: 100%

Question

Value:

History:

Awarded points:

Report an error in this question

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files

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