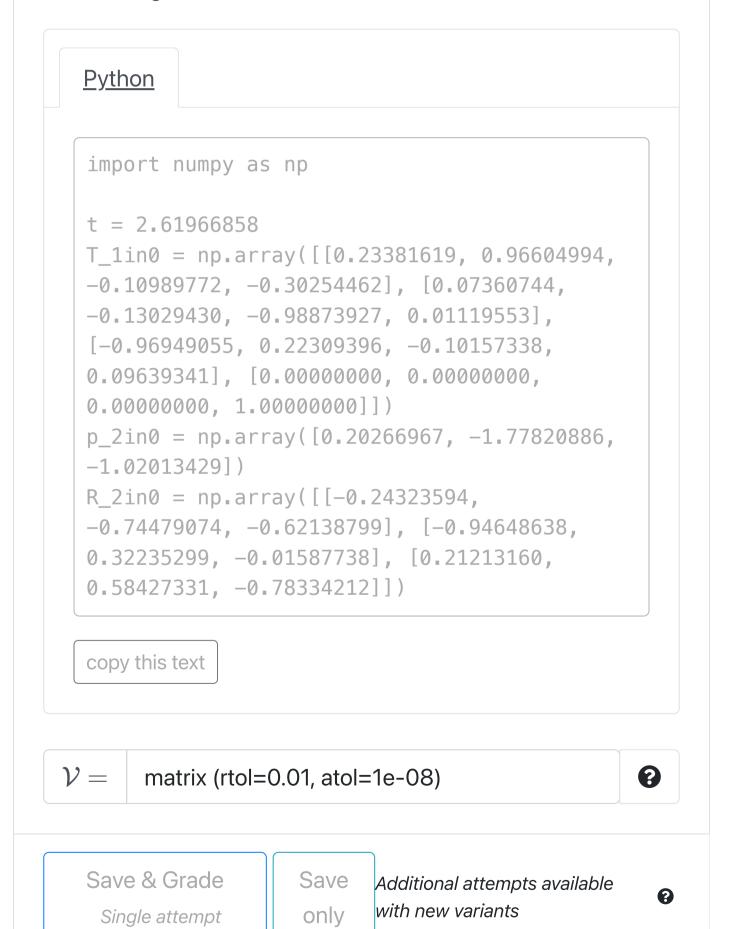
HW4.5. Find the body twist that will bring an object to a desired pose

A robot manipulator is holding an empty bottle, whose pose is represented by frame 1. The robot aims to throw the bottle such that it reaches a target position  $p_2^0$  with a target orientation  $R_2^0$  (expressed with respect to a reference frame 0). After the robot releases it, the bottle will be subjected to a constant twist  $\mathcal V$  until it hits the target. Assuming that the bottle is released with a pose  $T_1^0$ , what body twist should the bottle have to reach the desired target after t seconds?



Homework 4 Assessment overview 22/22 Total points: 110% Score: Question Value: History: Awarded points: Report an error in this question Previous question Next question Attached files No attached files Attach a file Attach text