ME 570: Robot Motion Planning

Homework 2 Report

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\_code\_

\_report\_

\_optional\_

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Question 1.1 \_report\_ – Geometric Reasoning of the Rotation Matrices

This rotation matrix rotates the and -axes counterclockwise around the -axis

A picture containing chart

Description automatically generated

This rotation matrix rotates the and -axes counterclockwise around the -axis

Chart

Description automatically generated with low confidence

This rotation matrix rotates the and -axes counterclockwise around the -axis

Chart

Description automatically generated

This rotation matrix reflects the and -axes across the -axis and then rotates them counterclockwise.

Diagram

Description automatically generated