# RBE 501 Week 7 Assignment

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Abstract—This is the abstract Index Terms—robotics

### I. INTRODUCTION

We are asked to solve problem x and y.

## II. MATERIALS AND METHODS

We know from the textbook [1] that,

$$\frac{1}{2}\dot{q}^T \left\{ I_1 \begin{bmatrix} 1 & 0 \\ 0 & 0 \end{bmatrix} + I_2 \begin{bmatrix} 1 & 1 \\ 1 & 1 \end{bmatrix} \right\} \dot{q}$$

is the same as,

$$\frac{1}{2}I_1\dot{\theta_1}^2 + \frac{1}{2}I_1(\dot{\theta_1} + \dot{\theta_2})^2$$

III. RESULTS

These are the results.

### IV. DISCUSSION

Place author's opinions here.

# REFERENCES

 M. W. Spong, S. Hutchinson, and M. Vidyasagar, "Robot modeling and control" 2006