

# DIRECT DRIVE HAPTIC ACTUATOR - FALL UPDATE

by

NOAH WARREN

A thesis submitted to the  
Department of Physics, Engineering Physics and Astronomy  
in conformity with the requirements for  
the degree of Bachelor of Applied Science

Queen's University  
Kingston, Ontario, Canada

November 2025

Copyright © Noah Warren, 2025

## **Abstract / Executive Summary**

## Acknowledgments

Students may include an acknowledgement section if they wish, but it is not necessary to do so.

# Contents

Abstract / Executive Summary	i
Acknowledgments	ii
Contents	iii
List of Tables	iv
List of Figures	v

# List of Tables

# List of Figures