ROCO503 IMU Report

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| Demetrius Zaibo  10324064 | Tom Queen | Daniel Gregory-Turner |

# Introduction:

This report details solutions to the tasks set out in the “ROCO503 IMU Coursework 2017-18” document.  
Each task is broken down into four sections:

* Problem statement – Outlines the task boundaries and interpretation
* Hypothesis – Provides a theoretical assessment of the problem and the expected results of the task
* Methodology – Details the step-by-step procedures performed to collect the data for analysis
* Results – Assesses the collected data, comparing and contrasting where appropriate

Finally, the report is concluded with a summary of the tasks performed by each team member, and a brief overview of what has been accomplished.

# Task 1: Noise Analysis

## Problem Statement:

## Hypothesis:

## Methodology:

## Results:

# Task 2: Filtering Effects

## Problem Statement:

## Hypothesis:

## Methodology:

## Results:

# Task 3: Comparison with Ground Truth Data

## Problem Statement:

## Hypothesis:

## Methodology:

## Results:

# Task 4: Complementary Filter

## Problem Statement:

## Hypothesis:

## Methodology:

## Results:

# Task 5: Extended Assessments

## Problem Statement:

## Hypothesis:

## Methodology:

## Results:

# Conclusion: