

AERO4701 Assignment 1



STUDENT PLAGIARISM: COURSE WORK - POLICY AND PROCEDURE COMPLIANCE STATEMENT

INDIVIDUAL / COLLABORATIVE WORK

I/We certify that:

- (1) I/We have read and understood the *University of Sydney Student Plagiarism: Coursework Policy and Procedure*;
- (2) I/We understand that failure to comply with the *Student Plagiarism: Coursework Policy and Procedure* can lead to the University commencing proceedings against me/us for potential student misconduct under Chapter 8 of the *University of Sydney By-Law 1999* (as amended);
- (3) this Work is substantially my/our own, and to the extent that any part of this Work is not my/our own I/we have indicated that it is not my/our own by Acknowledging the Source of that part or those parts of the Work.

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Signature(s):

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Date: 24/3/16

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1. Introduction

Each mainQN.m file has a section called 'User Input' where the animations and state plots can be turned on/off. Also the timestep and the number of days to simulate are defined. The default settings are dt = 100 seconds and days = 1. hello

2. GLONASS ORBITAL DETERMINATION

The Russian GNSS is called GLONASS, a system that requires 24 satellites in three orbital planes to have full global coverage. The satellites are in nearly circular orbits at an average altitude of 19130 km, approximate period of 11 hrs and 15 min and inclined at 65° .