Experimentation of Control Methods Report

**Abstract**

The LRE can be throttled by controlling the propellant combustion rate (usually measured in kg/s or lb/s). By changing the propellant valves open margin this causes a reduction in the mass flow going into the main combustion chamber.

**Method Overview**

* Test Data Generator
* Open Loop Non-Feedback
* Closed Loop Feedback

TEST DATA GENERATOR

Ordered Sequence

Generated sequence will follow pattern. Numbers will be generated at random within a range (ex:5-7). Each rand number from RANGE\_LOW will be greater than last while <= RANGE\_HIGH

Unordered Sequence

Generated sequence will follow not follow any pattern. Numbers will be generated at random within a range (ex:5-7).