## Single Shot Multibox Detector

This thesis is organized into chapters as follows.

* **Chapter 2** **– PHOENIX ADCS** **:**

The ADCS of PHOENIX will be introduced in Chapter 2. Especially, it will focus on the design of ADCS, and magnetometer-related applications for PHOENIX. Later, to clearly understand the actual implementation with magnetometer measurements, in-fight experience of ADCS will be presented, and magnetometer-related issue will be pointed out.