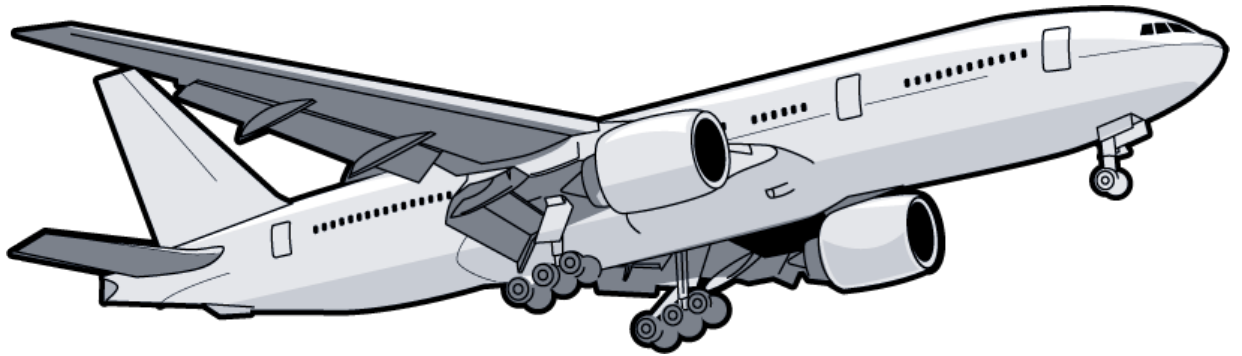


# Aero Multidisciplinary Optimization Tool

Andres Sandoval

September 25, 2020



## Contents

1	Introduction	3
1.1	A subsection . . . . .	3
2	Airplanes	3
2.1	Wings . . . . .	3
2.1.1	Flaps . . . . .	3
2.2	Fuselage . . . . .	3
3	Analysis	3
3.1	Balanced Field Length . . . . .	3
3.2	PyTornado . . . . .	3
3.3	Range . . . . .	3
3.4	Specific Excess Power . . . . .	3
3.5	Trim . . . . .	4
3.5.1	Linear Trims . . . . .	4
4	Modeling	4
4.1	Aerodynamics . . . . .	4
4.2	Propulsion . . . . .	4
5	Common	4
5.1	Atmosphere . . . . .	4
5.2	Earth . . . . .	4
5.3	Equations of Motion . . . . .	4
5.4	Rotations . . . . .	4

# 1 Introduction

Sharks are a part of the chondrichthyes family.

## 1.1 A subsection

More text.

# 2 Airplanes

Your text goes here.

## 2.1 Wings

More text.

### 2.1.1 Flaps

More text.

## 2.2 Fuselage

More text.

# 3 Analysis

Your text goes here.

## 3.1 Balanced Field Length

More text.

## 3.2 PyTornado

Link to PyTornado Documentation:

<https://pytornado.readthedocs.io/en/latest/index.html>

## 3.3 Range

More text.

## 3.4 Specific Excess Power

More text.

### 3.5 Trim

More text.

#### 3.5.1 Linear Trims

More text.

## 4 Modeling

Your text goes here.

### 4.1 Aerodynamics

More text.

### 4.2 Propulsion

More text.

## 5 Common

Your text goes here.

### 5.1 Atmosphere

More text.

### 5.2 Earth

More text.

### 5.3 Equations of Motion

More text.

### 5.4 Rotations

More text.