



Autonomous Precision Drone Landing on Marked Landing Pads and Solidified Lava Flows

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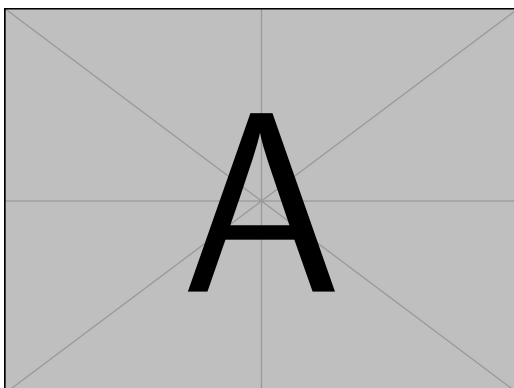
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Chapter 1

Introduction

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1.1 Acknowledgements

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1.2 Abstract

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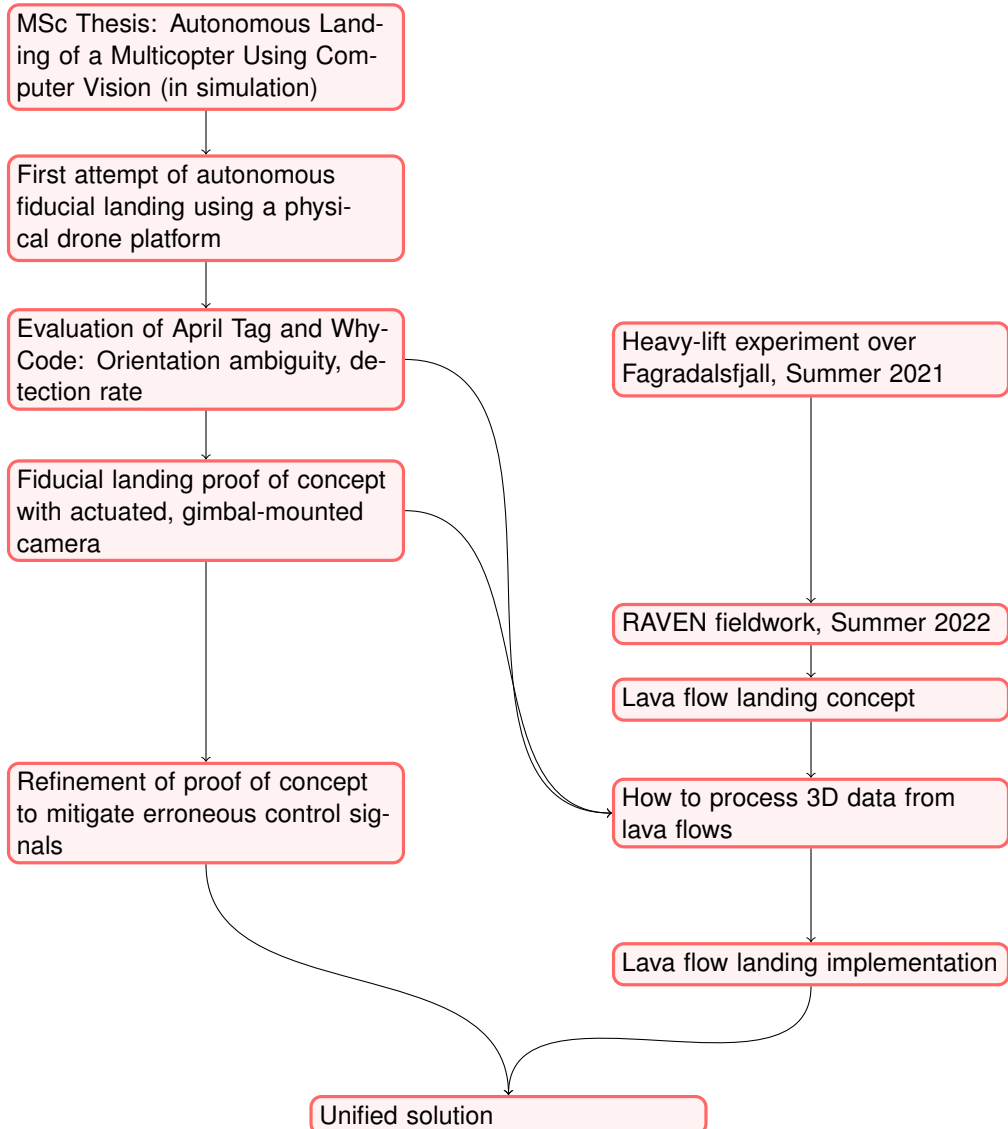
1.3 Abstrakt á Íslensku

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1.4 Overview

This section outlines the overall story of the PhD, which starts in the author's master project, on the topic of autonomous drone landing, in simulation. We discuss the motivations for each step of the research, and the conditions for transitioning between each.



Chapter 2

Structured Landing Sites with Fiducial Markers

2.1 Overview

2.2 Fiducial System Tests and Modifications

2.3 First Autonomous Landing Setup

2.4 Improved Autonomous Landing Setup

Chapter 3

Viable Landing Sites in Solidified Lava Flows

3.1 Overview

3.2 RAVEN Fieldwork, Summer 2022

3.3 Bolluhraun Fieldwork

3.4 Viable Landing Site Detection

Bibliography

[1] I.P. Freely. A small paper. *The journal of small papers*, -1, 1997. to appear.