

ODIN SMR

ALGORITHM THEORETICAL BASIS DOCUMENT

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Chapter 1

Introduction

This is the introduction

Chapter 2

Notations

2.1 Definition of common terms

2.2 Abbreviations

Chapter 3

Atmospheric products processing overview

3.1 Level 1 Processing Overview

3.2 Level 2 Processing Overview

Chapter 4

Level 1 Algorithm Definitions

Chapter 5

Level 2 Algorithm Definitions

5.1 Optimal Estimation Method

5.1.1 Physics of the Problem

Text describing the physics of this particular algorithm...

Input Data:

- Number of chickens
- Temperature in the coop
- Number of foxes present

Output Data:

- Omelett
- Chicken pie

5.1.2 Mathematical Description of the Algorithm

1. In order to vertically displace the yellow of the egg into the frying pan the shell must be removed using a laser incident on the chicken while in free fall inside a vacuum. The terminal speed due to the tastefield of the egg is approximated using

$$A = Bx \tag{5.1}$$

where

- | | |
|-----|---|
| A | [m/s] is the terminal speed of the chicken |
| B | [-] is the number of eggs |
| x | [m ² /kg] the taste coefficient of the egg |

2. Step 2
3. Step 3

