**Statistical**

**Optimization**

**in**

**Speech**

**Recognition**

**Joseph Picone**

**Statistical Optimization  
in Speech Recognition**

**Joseph Picone**

**Table of Contents**

[**1.** Introduction 1](#_Toc189671624)

[**1.1.** First Subsection 2](#_Toc189671625)

[**1.2.** Second Subsection 2](#_Toc189671626)

[**1.3.** Third Subsection 2](#_Toc189671627)

[**2.** Second Chapter 2](#_Toc189671628)

[**2.1.** First Subsection 2](#_Toc189671629)

[**2.2.** Second Subsection 3](#_Toc189671630)

[**2.3.** Third Subsection 3](#_Toc189671631)

[**3.** This is a test.Another really cool chapter 4](#_Toc189671632)

[**3.1.** This is a test 4](#_Toc189671633)

[**3.2.** This is a test 4](#_Toc189671634)

1. Introduction

Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here…

Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here…

Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here…

Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here…

Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here…

Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here…

Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here…

Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here…

Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here…

Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here…

Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here…

Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here… Say something really interesting here…

* 1. First Subsection

This is a test.

* 1. Second Subsection

This is a test.

* 1. Third Subsection

This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is

1. Second Chapter
   1. First Subsection

This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This This is a test.

* 1. Second Subsection

This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This This is a test.

* 1. Third Subsection

This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test.

This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is a test. This is This is a test. This is a test. This is a test. This

1. This is a test.Another really cool chapter

This is a test

* 1. This is a test

This is a test

* 1. This is a test