

# 高斯网络

Conditional Random Field

learning note For reading translation

我真的不懂忧郁



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Conditional Random Field  
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by

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# Preface

*A preface...*

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*Delft, June 2024*

# Summary

*A summary...*

# 目录

<b>Preface</b>	<b>i</b>
<b>Summary</b>	<b>ii</b>
<b>Nomenclature</b>	<b>iv</b>
<b>1 高斯网络概述</b>	<b>1</b>
<b>2 高斯贝叶斯网络</b>	<b>2</b>
<b>3 高斯马尔可夫网络</b>	<b>3</b>
<b>References</b>	<b>4</b>
<b>A Source Code Example</b>	<b>5</b>
<b>B Task Division Example</b>	<b>6</b>

# Nomenclature

*If a nomenclature is required, a simple template can be found below for convenience. Feel free to use, adapt or completely remove.*

## Abbreviations

Abbreviation	Definition
ISA	International Standard Atmosphere
...	

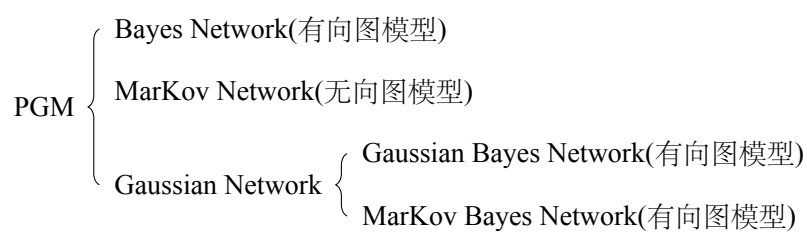
## Symbols

Symbol	Definition	Unit
$V$	Velocity	[m/s]
...		
$\rho$	Density	[kg/m <sup>3</sup> ]
...		

# Chapter 1

## 高斯网络概述

### 1.1. 概述



# Chapter 2

## 高斯贝叶斯网络



# Chapter 3

## 高斯马尔可夫网络

## References

- [1] I. Surname, I. Surname, and I. Surname. “The Title of the Article”. In: *The Title of the Journal* 1.2 (2000), pp. 123–456.

# Chapter A

## Source Code Example

*Adding source code to your report/thesis is supported with the package listings. An example can be found below. Files can be added using `\lstinputlisting[language=<language>]{<filename>}`.*

```
1 """
2 ISA Calculator: import the function, specify the height and it will return a
3 list in the following format: [Temperature,Density,Pressure,Speed of Sound].
4 Note that there is no check to see if the maximum altitude is reached.
5 """
6
7 import math
8 g0 = 9.80665
9 R = 287.0
10 layer1 = [0, 288.15, 101325.0]
11 alt = [0,11000,20000,32000,47000,51000,71000,86000]
12 a = [-.0065,0,.0010,.0028,0,-.0028,-.0020]
13
14 def atmosphere(h):
15     for i in range(0,len(alt)-1):
16         if h >= alt[i]:
17             layer0 = layer1[:]
18             layer1[0] = min(h,alt[i+1])
19             if a[i] != 0:
20                 layer1[1] = layer0[1] + a[i]*(layer1[0]-layer0[0])
21                 layer1[2] = layer0[2] * (layer1[1]/layer0[1])**(-g0/(a[i]*R))
22             else:
23                 layer1[2] = layer0[2]*math.exp((-g0/(R*layer1[1]))*(layer1[0]-layer0[0]))
24     return [layer1[1],layer1[2]/(R*layer1[1]),layer1[2],math.sqrt(1.4*R*layer1[1])]
```

# Chapter B

## Task Division Example

*If a task division is required, a simple template can be found below for convenience. Feel free to use, adapt or completely remove.*

表 B.1: Distribution of the workload

Task	Student Name(s)
Summary	
Chapter 1 Introduction	
Chapter 2	
Chapter 3	
Chapter *	
Chapter * Conclusion	
Editors	
CAD and Figures	
Document Design and Layout	