

# 勾股定理

周方全

2021 年 12 月 7 日

## 1 一些格式设置

Hello World!

$f(x)$

### 1.1 字体的设置

Roman Family Sans Serif Family Typewriter Family

Roman Family Sans Serif Eamily Typewriter Family

who you are? you find self on everyone around. take you as the same as others !

Are you wiser than others? definitely no. in some ways,may it is true. What can you achieve? a luxurious house? abrrillilant car? an admirable career? who knows?

### 1.2 字体系列设置 (粗细、宽度)

Medium Series **Boldface Series**

Medium series **Boldface Series**

### 1.3 字体形状（直立、斜体、伪斜体、小型大写）

Upright Shape *Italic Shape* *Slanted Shape* SMALL CAPS SHAPE

Upright Shape *Italic Shape* *Slanted Shape* SMALL CAPS SHAPE

### 1.4 中文字体

宋体 黑体 仿宋 楷书

中文字体的 粗体与 斜体

### 1.5 字体大小

Hello

Hello

Hello

Hello

Hello

Hello

Hello

Hello

Hello

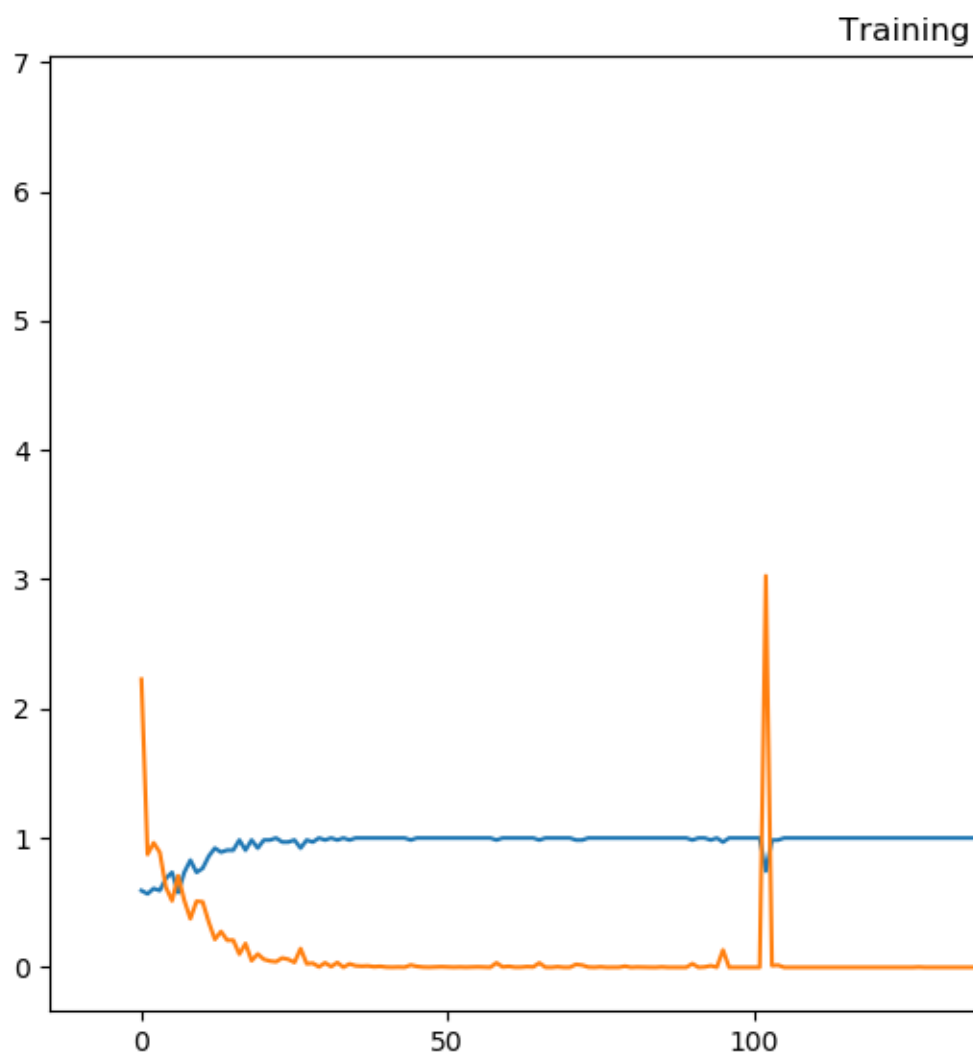
Hello

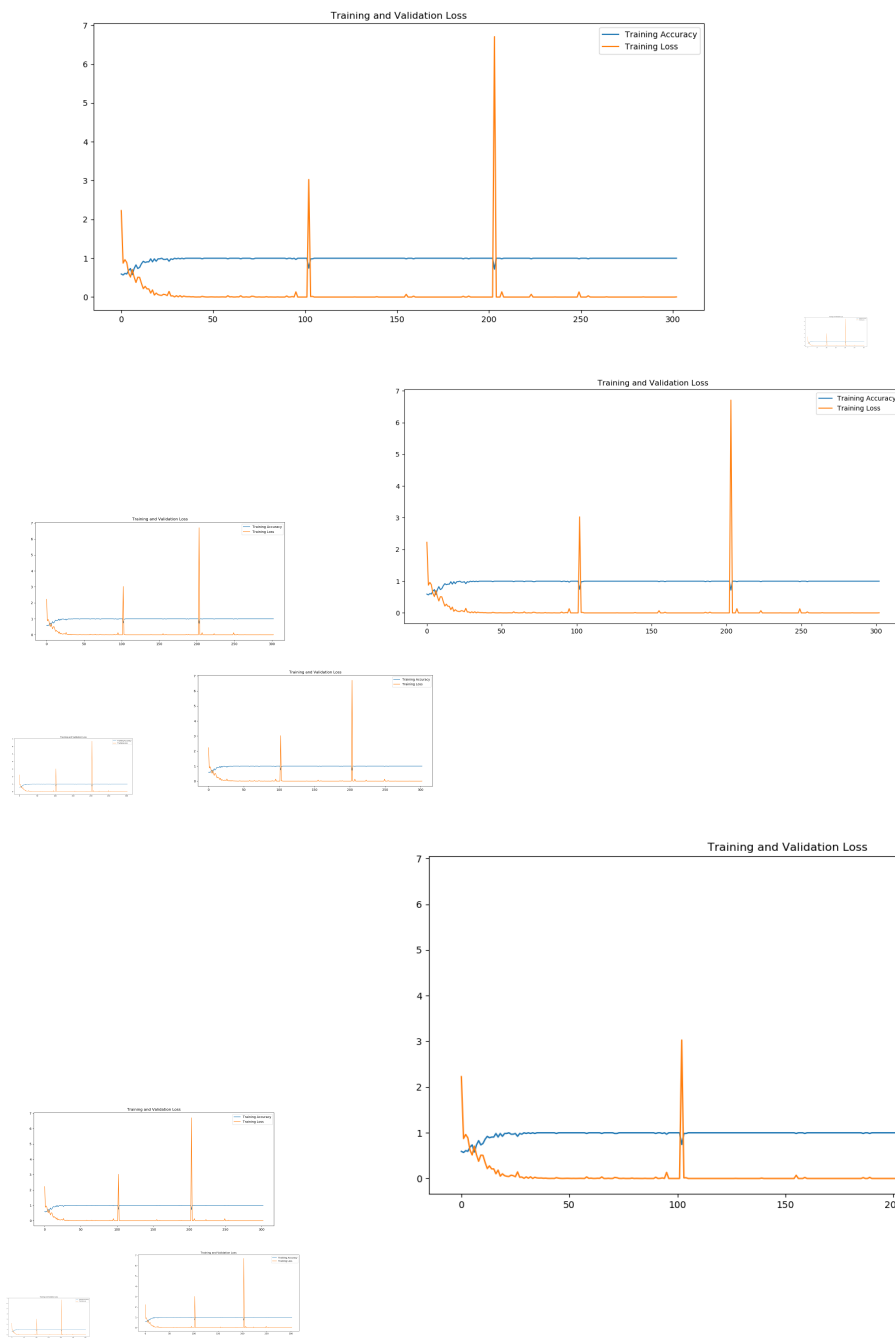
### 1.6 中文字号设置命令

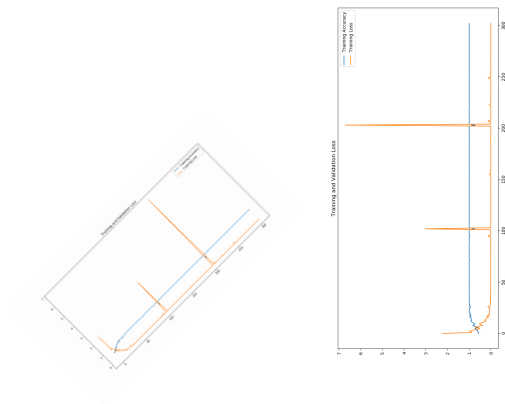
你好！

***Fancy Text*** 你好！

## 2 图片







### 3 表格

训练轮次	损失值	准确率	耗时/秒
1	0.8542	0.501	118.4
2	0.6492	0.6622	122.5
3	0.3288	0.8411	116.2
4	0.2542	0.8822	106.1

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更多工具在命令窗口输入：texdoc longtab、texdoc tabu

### 3.1 浮动体

如图??，是卷积神经网络的一个简单地模型。

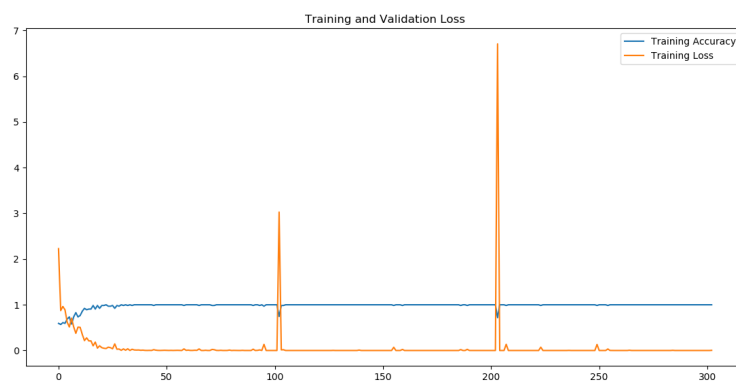


图 1: CNN 结果模型图

如表??，是卷积神经网络的一个简单地模型。

表 1: 训练结果

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## 4 矩阵排版

## 5 多行公式排版

$$a + b = c \tag{1}$$

$$c = a + b \tag{2}$$

$$a + b = c$$

$$c = a \times b$$

$$a + b = c$$

$$c = a + b \tag{3}$$

$$a + b = c \tag{4}$$

$$c = a + b$$

$$a + b = c$$

$$c = a + b$$

$$\begin{aligned} l\cos 2x &= \cos^2 x - l\sin^2 x \\ &= 2\cos^2 x - 1 \end{aligned} \tag{5}$$

$$D(x) = \begin{cases} 1, & \text{如果 } x \in \mathbb{Q}; \\ 0, & \text{如果 } x \in \mathbb{R} \setminus \mathbb{Q} \end{cases} \tag{6}$$



## 6 自然语言处理相关知识

### 6.1 词频-逆向文件频率

### 6.2 文本预处理

### 6.3 连续词袋模型

## 7 深度学习相关知识

### 7.1 激活函数

### 7.2 反向传播算法

### 7.3 卷积神经网络

### 7.4 循环神经网络

#### 7.4.1 长短期记忆网络

### 7.5 Transformer 模型

## 8 实验部分

### 8.1 LSTM+Attention 模型实验设计

### 8.2 Transformer 模型实验设计

## 9 结果与展望

### 9.1 总结

### 9.2 不足之处及未来展望

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## 10 一些格式设置

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宋体 黑体 仿宋 楷书

中文字体的 粗体与 斜体

Hello

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你好!

***Fancy Text*** 你好!

## 11 参考文献

### 11.1 BibTex

这是一个参考文献的引用: [?] 这是另一个引用: [?]

### 11.2 BibLaTeX