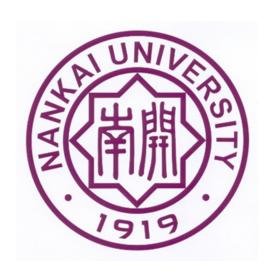
有到大學

计算机网络 课程实验报告

TCP/IP 实验



学院	火星土木学院	
专业	土木工程	
姓名	丁真	
学号	114514	

2077年1月1日

目录

1 一级标题	3
1.1 二级标题	3
1.2 测试 treet	4
1.3 测试 iconic-salmon-fa	4
1.4 测试 badgery	4
1.5 测试 gentle	5
1.6 测试 note-me	6
1.7 测试 colorbox	6
1.8 测试 showybox	7
1.9 测试 syntree	9
1.10 測试 easytable	9
1.11 测试 tablex	10
1.12 测试 codly	
1.13 测试 cheq	
1.14 测试 pyrunner	
1.15 测试 pinit	11
1.16 测试 neoplot	
1.17 测试 riesketcher	
1.18 测试 physica	12
1.19 测试 mitex	
1.20 测试 pintora	
1.21 测试 unify	
1.22 测试 algo	
1.23 测试 diagraph	14
1.24 测试 xarrow	14
参考文献	14
图表	
图 1.1.1: 南开大学校徽	4
图 1.9.2: Example of a syntax tree	
表 1.10.3: 表格示例	
图 1.10.4: 表格示例	
表 1.11.5: 一个表格	10
图 1 16 6. 测导图片	11

1 一级标题

整理了在实验报告可能用到的任何元素,包括图表(及其编号),树状图,代码块,数学公式,高亮,样式内容块等。

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat.

测试中文:

通过这次实验,我深刻体会到了同态加密技术的强大和实用性,特别是在保护数据隐私的同时执行复杂计算的能力。使用 *Microsoft SEAL* 库进行加密计算不仅加深了我对同态加密原理的理解,也提升了我的编程技能和解决实际问题的能力。

分点:

- 1. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.
- 2. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.
- Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.
- Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.
- test1

terms:

Fact If a term list has a lot of text, and maybe other inline content.

Tip To make it wide, simply insert a blank line between the items.



测试文本

测试文本

测试文本

测试文本

测试文本

测试文本

测试文本

测试文本

点击跳转链接

这是一个被强调的内容

1.1 二级标题

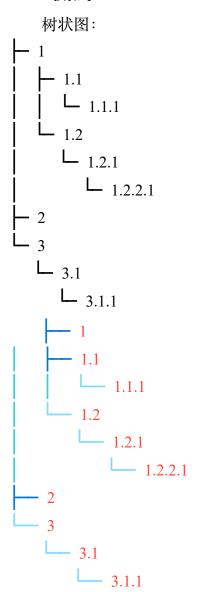
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat.

¹测试脚注



图 1.1.1: 南开大学校徽

1.2 测试 treet



1.3 测试 iconic-salmon-fa

OBiOT1N OBiOT1N OBiOT1N

1.4 测试 badgery

Gray badge Red badge Yellow badge

Green badge Blue badge Purple badge Click me

File New File...

Menu > Sub-menu > Sub-sub menu > Action

1.5 测试 gentle

i Info

This is the info clue ...

▶ 这是一个测试标题

Check out this cool package

? Question

This is the info clue ...

99 Quote

This is the info clue ...

Example

This is the info clue ...

Abstract

This is the info clue ...

₹ Task

This is the info clue ...

× Error

This is the info clue ...

Warning

This is the info clue ...

✓ Success

This is the info clue ...

Conclusion

This is the info clue ...

Memorize

This is the info clue ...

We should run more tests!

1.6 测试 note-me

(i) Note

Highlights information that users should take into account, even when skimming.

Ω Tip

Optional information to help a user be more successful.

Important

Crucial information necessary for users to succeed.

⚠ Warning

Critical content demanding immediate user attention due to potential risks.

(!) Caution

Negative potential consequences of an action.

? TODO

Fix note-me package.

1.7 测试 colorbox

Lorem ipsum dolor sit amet.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim aeque doleamus animo, cum corpore dolemus, fieri.

Lorem ipsum dolor sit amet.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim aeque doleamus animo, cum corpore dolemus, fieri.

Lorem ipsum dolor sit amet.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim aeque doleamus animo, cum corpore dolemus, fieri.

Lorem ipsum dolor sit amet.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim aeque doleamus animo, cum corpore dolemus, fieri tamen permagna accessio potest, si aliquod aeternum et infinitum impendere malum nobis opinemur. Quod idem licet transferre in voluptatem, ut.

1.8 测试 showybox

1

Red-ish showybox with separated sections!

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor.

2

Clairaut's theorem

Let $f:A\to\mathbb{R}$ with $A\subset\mathbb{R}^n$ an open set such that its cross derivatives of any order exist and are continuous in A. Then for any point $(a_1,a_2,...,a_n)\in A$ it is true that

$$\frac{\partial^n f}{\partial x_i...\partial x_j}(a_1,a_2,...,a_n) = \frac{\partial^n f}{\partial x_j...\partial x_i}(a_1,a_2,...,a_n) \tag{1.1} \label{eq:1.1}$$

This will be useful every

time you want to interchange partial derivatives in the future.

(3)

Lorem ipsum dolor.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim aeque doleamus animo, cum corpore dolemus, fieri.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim aeque doleamus animo, cum corpore dolemus, fieri.

4

Divergence theorem

Suppose V is a subset of \mathbb{R}^n which is compact and has a piecewise smooth boundary S (also indicated with $\partial V = S$). If F is a continuously differentiable vector field defined on a neighborhood of V, then:

$$\iiint_{V} (\nabla \cdot \mathbf{F}) \, dV = \oiint_{S} (\mathbf{F} \cdot \hat{\mathbf{n}}) \, dS$$
 (1.2)

In the case of n=3, V represents a volumne in three-dimensional space, and $\partial V=S$ its surface

(5)

Parent container

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.

Child 1

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.

Child 2

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.

1.9 测试 syntree

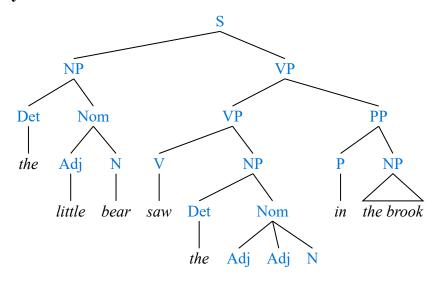


图 1.9.2: Example of a syntax tree.

1.10 测试 easytable

Header 1	Header 2	Header 3
How	I	want
a	drink,	alcoholic
of	course,	after
the	heavy	lectures
involving	quantum	mechanics.

表 1.10.3: 表格示例

Header 1	Header 2	Header 3
How	I	want
a	drink,	alcoholic
of	course,	after
the	heavy	lectures
involving	quantum	mechanics.

Header 1	Header 2	Header 3
How	I	want
a	drink,	alcoholic
of	course,	after
the	heavy	lectures
involving	quantum	mechanics.

图 1.10.4: 表格示例

1.11 测试 tablex

Data		Score
Location	Height	Score
Second St.	180 cm	5
Third Av.	160 cm	10
Some St.	150 cm	15
123 Av.	190 cm	20
Unknown St.	170 cm	25
	Location Second St. Third Av. Some St. 123 Av.	LocationHeightSecond St.180 cmThird Av.160 cmSome St.150 cm

表 1.11.5: 一个表格

1.12 测试 codly

```
1 pub fn main() {
2    println!("Hello, world!");
3 }
```

```
void MergeSort(int arr[], int left, int right) {
                                                                              срр
     if(left >= right) return;
     int mid = (left + right) >> 1;
     MergeSort(arr, left, mid);
     MergeSort(arr, mid + 1, right);
6
      int i = left, j = mid + 1, k = 0, temp[right - left + 1];
7
     while(i <= mid && j <= right) {</pre>
       if(arr[i] <= arr[j]) temp[k++] = arr[i++];</pre>
9
       else temp[k++] = arr[j++];
10
11
     while(i <= mid) temp[k++] = arr[i++];</pre>
12
      while(j <= right) temp[k++] = arr[j++];</pre>
      for(int i = 0; i < k; i++) arr[left + i] = temp[i];</pre>
13
14 }
```

1.13 测试 cheq

Mercury

- Mars
- Jupiter
- Sun

1.14 测试 pyrunner

("john.doe@example.com", "jane.doe@example.net") 6

1.15 测试 pinit

A simple highlighted text.

1.16 测试 neoplot

It is simple.

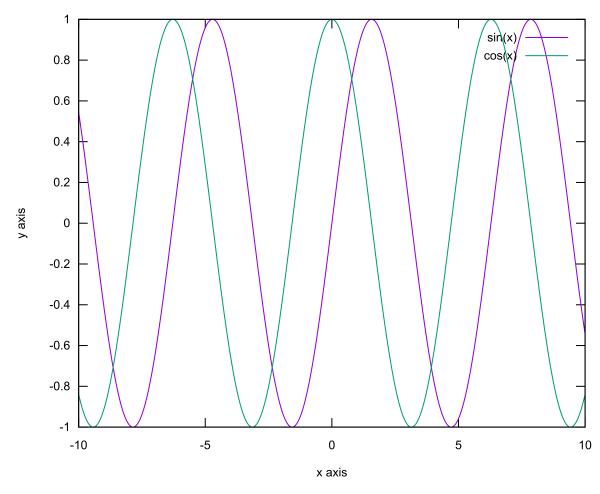
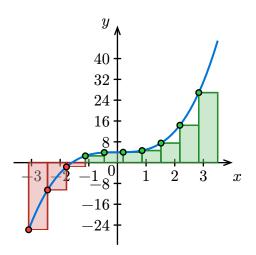


图 1.16.6: 测试图片

1.17 测试 riesketcher



1.18 测试 physica

$$A^{T}, \nabla \times \boldsymbol{E} = -\frac{\partial \boldsymbol{B}}{\partial t}, \quad \Lambda^{\mu}{}_{\nu} = \begin{pmatrix} 1 \\ \mathbb{R} \end{pmatrix}, \quad f(x,y) \, \mathrm{d}x \, \mathrm{d}y, \quad \mathrm{d}^{3}x \, \mathrm{d}y, \quad \Delta^{2}x \wedge \Delta^{2}y, \quad \frac{\mathrm{D}\varphi}{\mathrm{D}t} = \frac{\partial\varphi}{\partial t} + \boldsymbol{u}\nabla\varphi$$

$$H(f) = \begin{bmatrix} \frac{\partial^{2}f}{\partial x^{2}} & \frac{\partial^{2}f}{\partial x\partial y} \\ \frac{\partial^{2}f}{\partial y\partial x} & \frac{\partial^{2}f}{\partial y^{2}} \end{bmatrix}, \quad \boldsymbol{v}^{a} = \sum_{i=1}^{n} \alpha_{i}\hat{\boldsymbol{u}}^{i}, \quad \left\{ (x,y) \, \middle| \, \frac{\partial^{3}f}{\partial x^{2}\partial y} + \frac{\partial^{3}f}{\partial x\partial y^{2}} < \varepsilon \right\}$$

$$(1.3)$$

$$-\frac{1}{c^{2}}\frac{\partial^{2}}{\partial t^{2}}\psi + \nabla^{2}\psi = \frac{m^{2}c^{2}}{\hbar^{2}}\psi, \quad |\boldsymbol{n}^{(1)}\rangle = \sum_{k\notin D} \frac{\left\langle k^{(0)}|V|\boldsymbol{n}^{(0)}\rangle}{E_{n}^{(0)} - E_{k}^{(0)}} |\boldsymbol{k}^{(0)}\rangle, \quad \int_{V} \mathrm{d}V \left(\frac{\partial\mathcal{L}}{\partial\varphi} - \partial_{\mu}\left(\frac{\partial\mathcal{L}}{\partial(\partial_{\mu}\varphi)}\right)\right) = 0$$

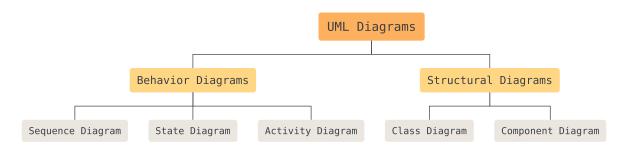
$$\mathrm{d}^{2}s = -\left(1 - \frac{2GM}{r}\right) \mathrm{d}^{2}t + \left(1 - \frac{2GM}{r}\right)^{-1} \mathrm{d}^{2}r + r^{2} \, \mathrm{d}^{2}\Omega$$

$$\mathrm{clk:} \qquad \qquad \mathrm{clk:} \qquad \qquad (1.4)$$

1.19 测试 mitex

$$f(x) = \int_{-\infty}^{\infty} \hat{f}(\xi) e^{2\pi i \xi x} d\xi$$
 (1.5)

1.20 测试 pintora



1.21 测试 unify

$$(-1.32865 \pm 0.50273) \cdot 10^{-6} \tag{1.6}$$

$$(1.3^{+1.2}_{-0.3}) \cdot 10^3 \text{ erg cm}^{-2} \text{ s}^{-1}$$
 (1.7)

$$1{,}123'8\cdot 10^{-2} - 3{,}086'8\cdot 10^{5} \tag{1.8}$$

$$(1 \text{ to } 2) \cdot 10^3 \frac{\text{m}}{\text{s}^2}$$
 (1.9)

1.22 测试 algo

```
FIB (n):

1 if n < 0:

2 | return null

3 if n = 0 or n = 1:

4 | return n

5

6 let x \leftarrow 0

7 let y \leftarrow 1

8 for i \leftarrow 2 to n - 1: ▷ so dynamic!

9 | let z \leftarrow x + y

10 | x \leftarrow y

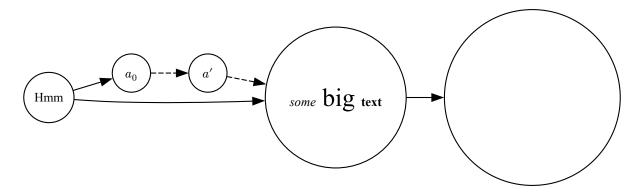
11 | y \leftarrow z

12

13 return x + y
```

```
FLOYD-WARSHALL(V, E, w):
 1 Let \operatorname{dist}[u,v] \leftarrow \infty for u,v in V
 2 For (u, v) in E:
          \operatorname{dist}[u,v] \leftarrow w(u,v)
                                                                                 // edge weights
   For v in V:
          \operatorname{dist}[v,v] \leftarrow 0
 5
                                                                                 // base case
 6
     For k \leftarrow 1 to |V|:
          For i \leftarrow 1 to |V|:
 8
 9
               For j \leftarrow 1 to |V|:
                    // if new path is shorter, reduce distance
10
                    If dist[i, j] > dist[i, k] + dist[k, j]:
11
                         \operatorname{dist}[i,j] \leftarrow \operatorname{dist}[i,k] + \operatorname{dist}[k,j]
12
13
14 Return dist
```

1.23 测试 diagraph



1.24 测试 xarrow

$$a \overset{\mathbb{Q},1+1^{4}}{\longleftarrow} b$$

$$c \overset{\text{very long boi}}{\leadsto} d$$

$$\frac{c}{a \overset{\text{NP} \sum^{+}}{\longrightarrow} b \times 4}$$

$$(1.11)$$

测试参考文献:

文献 1 的内容[1]

文献 2 的内容[2]

参考文献

- [1] R. Impagliazzo, R. Paturi, and F. Zane, "Which problems have strongly exponential complexity?," *Journal of Computer and System Sciences*, vol. 63, no. 4, pp. 512–530, 2001.
- [2] S. Burckhardt *et al.*, "It's Alive! Continuous Feedback in UI Programming," *SIGPLAN Not.*, vol. 48, no. 6, pp. 95–104, Jun. 2013, doi: 10.1145/2499370.2462170.