SunQuarTeX-enpre Test

Subtitle Here

sun123zxy

SunQuarTeX

 $2024-02-22^{1}$

¹Last modified on 2024-02-22.

Texts

- left bar.
 - narrow left bar.

- right bar.

Lists

- This is a list.
- A compact list.

Wow.

- This is a list.
- A sparse list.

A definition list below.

Reflexivity $a \sim a$

Antisymmetry $a \leq b \land b \leq a \implies a = b$

Citations

Blah [Tai+, 1, chapter 3, sec. 2, theorem 3]. Blah blah [Tai+; TP]. Blah blah blah².

²This is a footnote

Code

```
#include<bits/stdc++.h>
using namespace std;
int main(){
   return 0;
}
```

Tables

| $L_i \times C_j$ | 2 | \mathbb{N} | \mathbb{R} |
|------------------|--------------|--------------|--------------|
| 2 | 4 | \mathbb{N} | \mathbb{R} |
| \mathbb{N} | \mathbb{N} | \mathbb{N} | ? |
| \mathbb{R} | \mathbb{R} | ? | \mathbb{R} |
| | | | |

(a) Products

| 2 | \mathbb{N} | \mathbb{R} |
|--------------|-------------------|------------------|
| 4 | \mathbb{R} | $2^{\mathbb{R}}$ |
| \mathbb{N} | ? | ? |
| \mathbb{R} | ? | ? |
| | $\stackrel{-}{4}$ | 4 ℝ N ? |

(b) Powers

Table 1: Several results on cardinality

Referable Table 1a.

Figures



Figure 1: This is a figure

Referable Figure 1.

Computations

Complex side by side. (Figure 2, Figure 2a, Figure 2b)

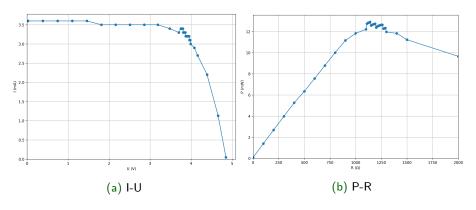


Figure 2: solar panel

Theorems I

Theorem 2.1 (Test)

This is a theorem.

$$\sum_{d|n} \varphi(d) = n$$

Proof.

This is a proof ended with a display math.

$$\sum_{d|n} \mu(d) = [n=1]$$



Theorems II

Proof.

This is a really reall

Definition 2.1

This is a definition.

Example 2.1 (An example)

This is an example.

Solution

This is the solution to the example.

Theorems III

Exercise 2.1

This is an exercise.

Remark

This is a remark of Exercise 2.1.

Lemma 2.1

This is a lemma.

Corollary 2.1

This is a corollary of Theorem 2.1.

Theorems IV

Proposition 2.1

This is a proposition.

Conjecture 2.1

This is a conjecture.

References I

- [Tai+] Y Taigman et al. "Closing the gap to human-level performance in face verification. deepface". In: *Proceedings of the IEEE Computer Vision and Pattern Recognition (CVPR)*. Vol. 5, p. 6.
- [TP] M. Turk and A. Pentland. "Eigenfaces for Recognition". In: Journal of Cognitive Neuroscience 3.1 (), pp. 71–86.