1   Technical Documentation Test

1.1   Overview

This document tests MD2LaTeX functionality with English technical content.

1.2   Code Examples

1.2.1   Python Code

```python
class DataProcessor:
    def __init__(self, data):
        self.data = data

    def process(self):
        return [x * 2 for x in self.data]
```

1.2.2   JavaScript Code

```javascript
const fetchData = async (url) => {
    try {
        const response = await fetch(url);
        return await response.json();
    } catch (error) {
        console.error('Error:', error);
    }
};
```

1.3   Mathematical Formulas

1.3.1   Algorithm Complexity

1.3.2   Statistical Formulas

Standard deviation:

$$\sigma = \sqrt{\frac{1}{N} \sum_{i=1}^{N} (x_i - \mu)^2} \tag{1}$$

1.4 System Architecture

1.4.1 Components

1.4.2 API Endpoints

表 1: 表格 1

Method	Endpoint	Description
GET	`/api/users`	Retrieve all users
POST	`/api/users`	Create new user
PUT	`/api/users/:id`	Update user
DELETE	`/api/users/:id`	Delete user

1.5 Performance Metrics

Note: All benchmarks were conducted on a MacBook Pro M1 with 16GB RAM.

1.6 Conclusion

The MD2LaTeX tool effectively handles technical documentation with code blocks, formulas, and structured content.