ZJU-UIUC INSTITUTE
Zhejiang University-University of Illinois at Urbana-Champaign Institute
浙江大学伊利诺伊大学厄巴纳香槟校区联合学院

ECE XXX

COURSE NAME

REPORT OF PROJECT #1

A SAMPLE FOR REPORTS WITH ANY TITLE YOU WANT

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First LAST and Sample NAME

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1 Introduction

1.1 Problem statement

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1.2 Importance

Figure 1.1 The logo of ZJU-UIUC Institute.

1.3 Literature Review

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$$f(x) = \sum_{n=0}^{\infty} \frac{1}{n!} f^{(n)}(x_0)(x - x_0)^n, x \in U(x_0) \tag{1.1}$$

$$\begin{aligned} e^{ix} &= 1 + ix + \frac{1}{2!}(ix)^2 + \frac{1}{3!}(ix)^3 + \cdots \frac{1}{n!}(ix)^n + \cdots \\ &= 1 + ix - \frac{1}{2!}x^2 - i\frac{1}{3!}x^3 + \frac{1}{4!}x^4 + i\frac{1}{5!}x^5 - \cdots \\ &= \left(1 - \frac{1}{2!}x^2 + \frac{1}{4!}x^4 - \cdots\right) + i\left(x - \frac{1}{3!}x^3 + \frac{1}{5!}x^5 - \cdots\right) \\ &= \cos x + i \sin x \end{aligned} \tag{1.2}$$

2 Methodology

Test the ability to print some units, say (in texts), $10 \times 10^5\,\mu\text{m} \cdot \Omega \cdot {}^\circ$.
It also applies to equations,

$$R_t = 10 \times 10^5\,\mu\text{m} \cdot \Omega \cdot {}^\circ \tag{2.1}$$

3 Results

4 Discussion

5 Conclusion

References

[1] Y. Li and J. Fang, "测量半导体中少子漂移迁移率和扩散长度的新方法 [New Method of Determining Excess Carrier Bipolar Mobility]," 半导体学报 *[Chinese Journals of Semiconductors]*, vol. 20, no. 12, pp. 1129–1131, Dec. 1999. [Online]. Available: http://www.jos.ac.cn/fileBDTXB/oldPDF/2005092734449173.pdf.

[2] J. R. Haynes and W. Shockley, "The Mobility and Life of Injected Holes and Electrons in Germanium," *Physical Review*, vol. 81, no. 5, pp. 835–843, Mar. 1, 1951. DOI: 10.1103/PhysRev.81.835.

[3] J. A. Prufrock, *Lasers and Their Applications in Surface Science and Technology*, 2nd ed. New York, NY: McGraw-Hill, 2009.

[4] J. R. Haynes and W. Shockley, "Investigation of Hole Injection in Transistor Action," *Physical Review*, vol. 75, no. 4, pp. 691–691, Feb. 15, 1949. DOI: 10.1103/PhysRev.75.691.

Appendices

A Some Test Data

B Derivation of Square Law

Acknowledgement