

ECE 445  
SENIOR DESIGN LABORATORY  
FINAL REPORT  
Project #114

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**A SAMPLE FOR FINAL REPORT**

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## **ABSTRACT**

Put your abstract here

**Keywords** Keyword 1, keyword 2, keyword 3

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# 1 INTRODUCTION

## 1.1 Problem statement

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## 1.2 Importance

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

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

## 1.3 Literature Review

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.[1], [3], [4].

## 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

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- [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.
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## **A   AN APPENDIX**

## **B   ANOTHER APPENDIX**

## **ACKNOWLEDGEMENT**