

# ECE 459 COMMUNICATION SYSTEMS PROJECT REPORT #1

## A SAMPLE FOR REPORTS WITH ANY TYPE YOU WANT

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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

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].

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

TYPE OF THE REPORT INTRODUCTION

$$e^{ix} = 1 + ix + \frac{1}{2!} (ix)^2 + \frac{1}{3!} (ix)^3 + \dots + \frac{1}{n!} (ix)^n + \dots$$

$$= 1 + ix - \frac{1}{2!} x^2 - i \frac{1}{3!} x^3 + \frac{1}{4!} x^4 + i \frac{1}{5!} x^5 - \dots$$

$$= \left(1 - \frac{1}{2!} x^2 + \frac{1}{4!} x^4 - \dots\right) + i \left(x - \frac{1}{3!} x^3 + \frac{1}{5!} x^5 - \dots\right)$$

$$= \cos x + i \sin x$$

$$(1.2)$$

### 2 Methodology

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

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

PROJECT REPORT #1 RESULTS

## 3 Results

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### 4 Discussion

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## 5 Conclusion

#### References

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PROJECT REPORT #1 APPENDICES

## Appendices

- A Some Test Data
- B Derivation of Square Law

## Acknowledgement