

DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

EEE311 Final Year Project

Title of your FYP Project

In Partial Fulfillment of the Requirements for the Degree Bachelor of Engineering

Student Name: Your Name

Student ID: Your student ID

Supervisor: Your supervisor's name

Assessor: Your accessor's name

Abstract

Write your abstract here

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Introduction

This is the introduction. Do ensure that you include relevant references in under this section. Some examples of references are found in [?, ?]. This is explained in [?, ?, ?]. This is just an example, the variable x. This is described in

$$E = mc^2$$

$$E = mc^2$$

$$P_1 = 5 \tag{1.1}$$

$$P_2 = 6\{7$$

$$P_3 = 57\& 46$$
 (1.2)

$$P_3 = 57\& 46$$
 (1.2)
 $P_4 = \frac{1}{2}$ (1.3)

This is 5 V. This is \mathbf{N}

Methodology

Describe your method here: the Asymptote and Matlab programming languages that you use in this project.

2.1 Asymptote

This is for Asymptote

2.2 Matlab

This is for Matlab kdflk Figure 2.1.

2.3 Item List

Here are three examples of item lists:

- This is item 1
- This is item 2
- This is item 3
- This is item 4
- 1. This is one
- 2. This is two
- 3. This is three
- 1. This is one
- 2. This is two

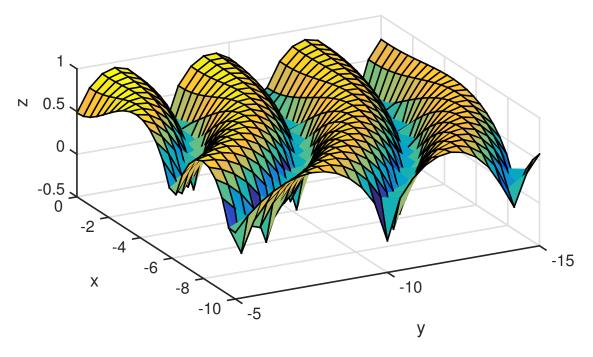


Figure 2.1: The tracing chip

3. This is three

- \bullet sjdkf sdf
- lksdjfklsj sd
- $\bullet\,$ f k
sdjfk sdfkjk sdf
- $\bullet\,$ skldfj
k sdfsdfs

 ${f One}\$ ksjdk sdkfk

 ${f second}$ skdfk sdkfj k
jsdfk ksjdfkjkksdfkj

third k ksdfjksdj fkjskdfjksdf

Result and Discussion

Make sure you write something here before you begin with the subsection.

3.1 Figure

A sample of figure is given as Figure 2.1

3.2 Table

Include table whenever necessary. An example is given as Table

3.3 Justification via Matlab

This is where you can prove that the results obtained are accurate and valid

3.4 Comparison

Comparison is also necessary to justify your results.

Improvement

Describe the improvements that you have done in this project.

Conclusion

Here comes the conclusion!

Appendices

```
The whole codes:
#include<IRremote.h>
#include<Wire.h>
#include <LiquidCrystal_I2C.h>
LiquidCrystal_I2C lcd(0x27, 16, 2);
int RECV_PIN = 11;
IRrecv irrecv(RECV_PIN);
decode_results results;
int AIN1 = 6; //PWMA
int AIN2 = 5; //DIRA
int BIN1 = 10; //PWMB
int BIN2 = 9; //DIRB
int sensorPin = A0;
int ledPin = 13;
int sensorValue = 0;
int melody[] = {330, 330, 330, 262, 392, 200, 280};
int noteDurations[] = {8, 4, 4, 8, 4, 4, 6};
void setup()
pinMode(AIN1, OUTPUT);
pinMode(AIN2, OUTPUT);
pinMode(BIN1, OUTPUT);
pinMode(BIN2, OUTPUT);
pinMode(ledPin, OUTPUT);
Serial.begin(9600);
}
}
```

```
 \begin{array}{l} {\rm syms} \  \, x \  \, y \  \, Fx \  \, Fy \  \, A \  \, B \  \, C \  \, D; \\ z = 100*(x-y^2)^2 + (1-x)^2 + 10.1*(y-1)^2 \\ Fx = diff (z,x) \\ Fy = diff (z,y) \\ S = {\rm solve} \, (Fx,Fy); \\ x1 = S \  \, .x \\ y1 = S \  \, .x \\ y1 = S \  \, .y \\ A = diff (z,x,2) \\ B = diff \, (diff (z,x),y) \\ C = diff (z,y,2) \\ D = A*C - B^2 \\ D1 = {\rm subs} \, ({\rm subs} \, (D, \, 'x',x1(1)), \, 'y',y1(1)) \\ A1 = {\rm subs} \, ({\rm subs} \, (A, \, 'x',x1(1)), \, 'y',y1(1)) \\ Z1 = {\rm subs} \, ({\rm subs} \, (z, \, 'x',x1(1)), \, 'y',y1(1)) \\ \end{array}
```