

## **1. Project Overview**

- 1.1 Project Description
- 1.2 Project Goals and Practical Applications

## **2. Description of Implementation**

- 2.1 Input/Output
- 2.2 High Frequency Analysis
- 2.3 Low Frequency Analysis
- 2.4 Peaking Filters
- 2.5 Pink Noise
- 2.6 Real Time Analysis
- 2.7 Equalizer
- 2.8 Code Description

## **3. Relevant Theory**

- 3.1 Equalizers
- 3.2 Peaking Filters
- 3.3 Pink Noise

## **4. Pitfalls**

## **5. Extensions**

## **6. Testing Methodology**

- 6.1 Pink Noise
- 6.2 Peaking Filter
- 6.3 RTA
- 6.4 Overall Equalizer Functioning

## **7. Appendices**

- A – File list with descriptions
- B – Block Diagram of Overall System
- C – Peaking Filter Formulas

## **8. Bibliography**