Classification of time signals by CNN using spectrogram

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Link to project:

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# Introduction

## Literature Review

(Viet Nguyen)

# Methodology

## Overview

## Gabor Transform and Creation of Spectrogram

(Toan Truong)

## Convolutional Neural Network configuration

(Toan Truong)

## Graphical User Interface GUI

(Hai Pham)

A user-friendly GUI was created to implement the experiment of Gabor transform as well as CNN classifier. The app is named “GUI.mlapp”. The figure below shows the GUI of this project.

[FIGURE OF GUI HERE]

Figure [NUMBER] shows the GUI is divided into three sections:

* The first section is located at the top left corner of the frame. This one is used for loading training data files and create spectrograms for each sample in the training data.

The following is a short manual instruction in order to run the GUI application:

# Experiment

## Experiment’s result

(Riyad)

## Result on Given Test data

(Riyad)

# Conclusion

# Further Development

(Toan Truong)

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