

TOS_Equalizer

v0.1

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Chapter 1

Class Index

1.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

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Chapter 2

Class Documentation

2.1 biquad_t Struct Reference

Public Attributes

- double **b0**
- double **b1**
- double **b2**
- double **a1**
- double **a2**

The documentation for this struct was generated from the following file:

- src/Coefficient.h

2.2 Block Class Reference

Public Member Functions

- **Block** (int ID, short *datachunk, int size)
- short * **getDataChunk** ()
- int **getSize** ()
- int **getID** ()

The documentation for this class was generated from the following files:

- src/Block.h
- src/Block.cpp

2.3 Coefficient Class Reference

Public Member Functions

- void **bassCoeffiecient** (int intensity, double *b0, double *b1, double *b2, double *a1, double *a2)
- void **trebleCoeffiecient** (int intensity, double *b0, double *b1, double *b2, double *a1, double *a2)

The documentation for this class was generated from the following files:

- src/Coefficient.h
- src/Coefficient.cpp

2.4 CommandHandler Class Reference

Public Member Functions

- int **handleStartCommands** (int argc, char **argv)
- std::string **getInputFileName** ()
- std::string **getOutputFileName** ()
- int **getThreadAmount** ()
- int **getBassIntensity** ()
- int **getTrebleIntensity** ()
- bool **commandCheck** ()

The documentation for this class was generated from the following files:

- src/CommandHandler.h
- src/CommandHandler.cpp

2.5 Equalizer Class Reference

Public Member Functions

- **Equalizer** (**Queue** *form, **Queue** *to, **biquad_t** treble, **biquad_t** bass)
- **Equalizer** (**Queue** *form, **Queue** *to, **biquad_t** treble, **biquad_t** bass, std::string name)
- **Block** * **requestNewBlock** ()
- void **run** ()
- void **stop** ()

The documentation for this class was generated from the following files:

- src/Equalizer.h
- src/Equalizer.cpp

2.6 FileParser Class Reference

Public Member Functions

- void **parseFile** (**Queue** *q, std::string fileName)

The documentation for this class was generated from the following files:

- src/FileParser.h
- src/FileParser.cpp

2.7 Queue Class Reference

Public Member Functions

- **Block** * **get** ()

writeToFile

Parameters

string	outfile
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- **Block * requestBlock** ()
- **Block * at** (unsigned int n)
- **bool isEmpty** ()
- **void writeToFile** (std::string outFile)
- **~Queue** ()

getQueueSize*Returns*

int - size of queue on a given moment

- **int getQueueSize** ()
- **int getBlockCount** ()

put

adds block to end of queue

Parameters

toAdd	- block to add
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- **void put** (**Block *toAdd**)

emptyQueue

clears the queue

- **void emptyQueue** ()

The documentation for this class was generated from the following files:

- src/Queue.h
- src/Queue.cpp

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