WAVAudioFile

- s_path : String
- path : Path
- bytes : byte[ ]
- aFFormat : AudioFileFormat
- aFormat : AudioFormat
- duration : double
- aIS : AudioInputStream
- numDownSamples : int
+ HOME : String = System.getProperty("user.home")
+ SAMPLE_RATE : double = 44100.0
+ CHANNELS : int = 1
+ IS_BIG_ENDIAN : boolean = true
+ NUMBER_OF_BITS : int = 16
+ SIGNED : boolean = false;

+ WAVAudioFile()
+ DFT() : Complex[ ]
+ FFT(Complex[ ]) : Complex[ ]
+ WAVtoByte() : byte[ ]
+ askDelay()
+ askDownsample() : float
+ askVolume()
+ byteToWAV(String)
+ choose(String)
+ chooseFile()
+ controlVolume(int, int)
+ copyAudio(String)
+ delay(double, double)
+ downsample()
+ getAFFormat() : AudioFFormat
+ getAFormat() : AudioFormat
+ getAIS() : AudioInputStream
+ getBytes() : byte[ ]
+ getDuration() : double
+ getInfo()
+ getNumDownSamples() : int
+ getPath() : Path
+ getS_path() : String
+ getaFormat() : AudioFileFormat
+ playMusic()
+ save()

Waveforms

+ createSawTooth()
+ createSine()
+ createSquare()
+ generateSawTooth(double, float, float)
+ generateSine(double, float, float)
+ generateSquare(double, float, float)
+ askAmplitudeWaveForms() : float
+ askDurationWaveForms() : double
+ askFrequencyWaveForms() : float

WAVClient

- option : int
scanner : Scanner

+ WAVClient()
+ actions()
+ chooseWavForm()
+ clearScreen()
+ menu()

Complex

- img : float
- real : float

+ Complex(float, float)
+ Subtract(Complex) : Complex
+ absolute() : double
+ add(Complex) : Complex
+ getImg() : float
+ getReal() : float
+ multiply(Complex) : Complex
toString() : String