QObject GenerateFunction «Enumeration» mBuffer: std::vector<float>* eType mType: eType mFrequencySine1: double -mType silent mFrequencySine2: double sine mStartPhaseSine: double sine_sweep mSweepInterval: double rectangle mAmplitudeSine: double triangle mFrequencyRectangle: double noise mPulsewidthFactorRectangle: double mHighLevelRectangle: double mLowLevelRectangle: double mFrequencyTriangle: double mPulsewidthFactorTriangle: double mHighLevelTriangle: double mLowLevelTriangle: double mHPOrder: eOrder mNoiseInterval: double mHPType: eType mNoiseFilter: FilterFunctions mHPQFaktor: double mUseNoiseFilter: bool mHPCutOffFrequency: double mSampleFrequency: double mTPOrder: eOrder mTPType: eType GenerateFunction(QObject*) mTPQFaktor: double setFrequency1(double): void mTPCutOffFrequency: double setFrequency2(double): void mNoOfFrequencies: int setStartPhase(double): void mFilterFrq: std::vector<double> setSweepInterval(double); void mFilterBox: std::vector< std::complex<double> > setAmplitudeSine(double): void setFrequencyRectangle(double): void FilterFunctions() setPulsewidthFactorRectangle(double): voi --mNoiseFilter setHighLevelRectangle(double): void setLowLevelRectangle(double): void setFrequencyTriangle(double): void setPulsewidthFactorTriangle(double): void setHighLevelTriangle(double): void setLowLevelTriangle(double): void setNoiseInterval(double): void useNoiseFilter(bool): void setType(int): void getFrequency1(): double getFrequency2(): double getStartPhase(): double getSweepInterval(): double getAmplitudeSine(): double

getFrequencyRectangle(): double

getHighLevelRectangle(): double

getLowLevelRectangle(): double

getFrequencyTriangle(): double

getHighLevelTriangle(): double

getLowLevelTriangle(): double

getNoiseFilter(): FilterFunctions&

setBuffer(std::vector<float>*): void setSampleFrequency(double): void getSampleFrequency(): double calculateSilence(): void calculateSine(): void calculateSineSweep(): void calculateRectangle(): void calculateTriangle(): void calculateNoise(): void getBuffer(): std::vector<float>&

getNoiseInterval(): double

useNoiseFilter(): bool

getType(): int calculate(): void

getPulsewidthFactorRectangle(): double

getPulsewidthFactorTriangle(): double

setHighPassType(eType): void setHighPassOrder(eOrder): void setHighPassQ(double): void setHighPassCutOff(double): void getHighPassType(): eType getHighPassOrder(): eOrder getHighPassQ(): double getHighPassCutOff(): double setLowPassType(eType): void setLowPassOrder(eOrder); void setLowPassQ(double): void setLowPassCutOff(double): void getLowPassType(): eType getLowPassOrder(): eOrder getLowPassQ(): double getLowPassCutOff(): double getFilterFrequenzcies(): std::vector<double> &

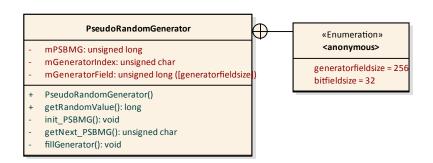
getNameOfType(eType): char*

calculateFilter(double, std::vector<double>&, bool): void multiplyFilterExp(double, double, double&, double&): void multiplyFilter(std::complex<double>, double&, double&): void calculatePinkNoiseFilterExp(double, double, std::complex<double>&): vdid

FilterFunctions

calculatePinkNoiseFilter(double, double): std::complex<double>

getFilterFunction(): std::vector<std::complex<double>>&



QObject CombineCurves mType: eType mChannel1: int mChannel2: int mNoOfChannel: int Combine Curves (QObject*)setType(eType): void setChannel1(int): void setChannel2(int): void setNoOfChannel(int): void getType(): eType {query} getChannel1(): int {query} getChannel2(): int {query} getNoOfChannel(): int {query} combineCurves(std::vector<double>&, std::vector<double>&, int, int): bool {query} f_add(double, double): double f_subtract(double, double): double f_multiply(double, double): double f_divide(double, double): double