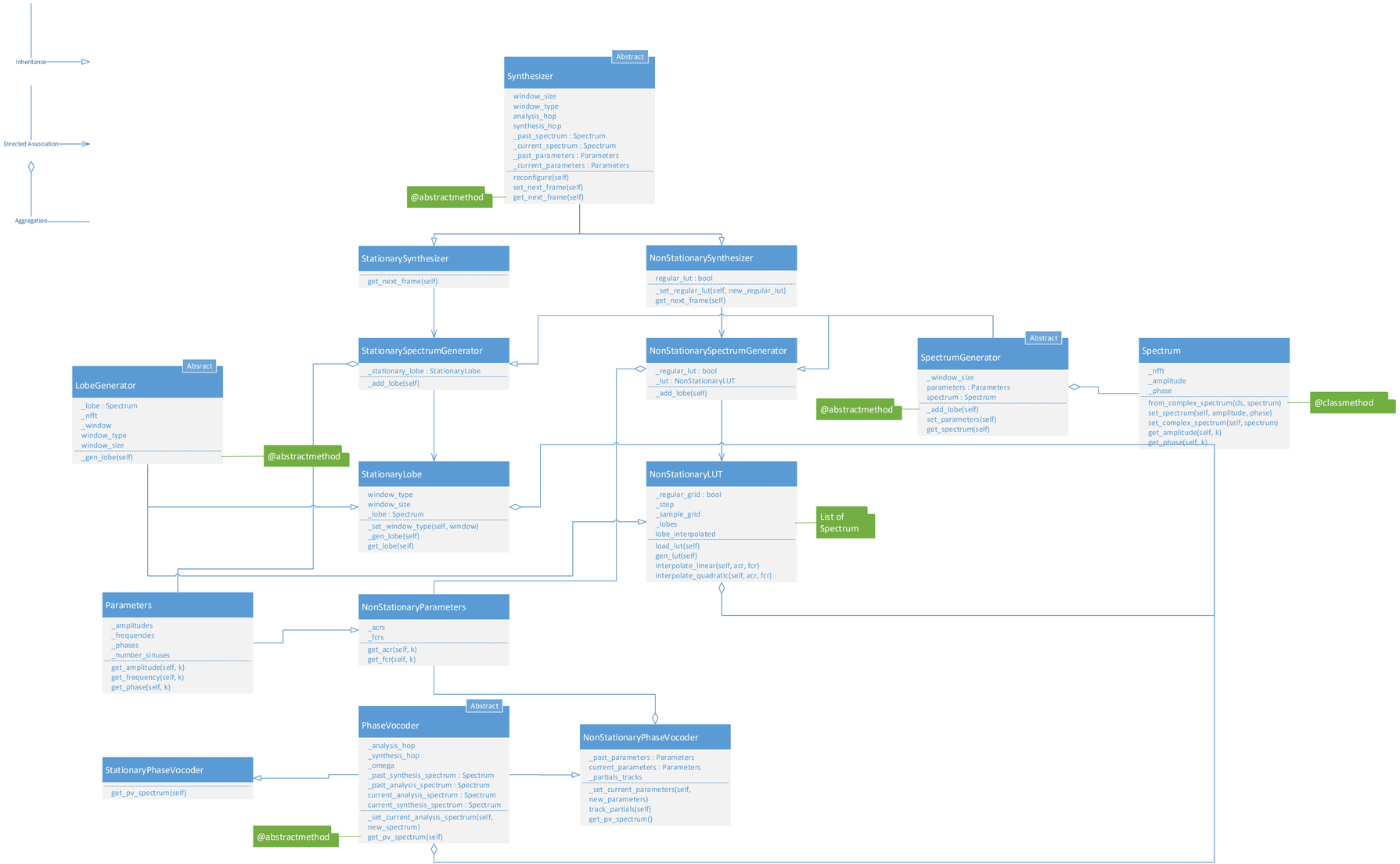
Inheritance
Directed Association
Aggregation
Abstract
Synthesizer
window_size
window_type
analysis_hop
synthesis_hop
_past_spectrum : Spectrum
_current_spectrum : Spectrum
_past_parameters : Parameters
_current_parameters : Parameters
reconfigure(self)
set_next_frame(self)
get_next_frame(self)
@abstractmethod
StationarySynthesizer
get_next_frame(self)
NonStationarySynthesizer
regular_lut : bool
__set_regular_lut(self, new_regular_lut)
get_next_frame(self)
StationarySpectrumGenerator
__stationary_lobe : StationaryLobe
_add_lobe(self)
NonStationarySpectrumGenerator
_regular_lut : bool
_lut : NonStationaryLUT
_add_lobe(self)
Abstract
SpectrumGenerator
_window_size
parameters : Parameters
spectrum : Spectrum
_add_lobe(self)
set_parameters(self)
get_spectrum(self)
@abstractmethod
Spectrum
_nfft
_amplitude
__phase
from_complex_spectrum(cls, spectrum)
set_spectrum(self, amplitude, phase)
set_complex_spectrum(self, spectrum)
get_amplitude(self, k)
get_phase(self, k)
@classmethod
Absract
LobeGenerator
_lobe : Spectrum
_nfft
_window
window_type
window_size
_gen_lobe(self)
@abstractmethod
StationaryLobe
window_type
window_size
_lobe : Spectrum
_set_window_type(self, window)
_gen_lobe(self)
get_lobe(self)
NonStationaryLUT
_regular_grid : bool
_step
_sample_grid
_lobes
lobe_interpolated
load_lut(self)
gen_lut(self)
interpolate_linear(self, acr, fcr)
interpolate_quadratic(self, acr, fcr)
List of Spectrum
Parameters
_amplitudes
_frequencies
_phases
_number_sinuses
get_amplitude(self, k)
get_frequency(self, k)
get_phase(self, k)
NonStationaryParameters
_acrs
_fcrs
get_acr(self, k)
get_fcr(self, k)
Abstract
PhaseVocoder
_analysis_hop
_synthesis_hop
_omega
_past_synthesis_spectrum : Spectrum
_past_analysis_spectrum : Spectrum
current_analysis_spectrum : Spectrum
current_synthesis_spectrum : Spectrum
_set_current_analysis_spectrum(self, new_spectrum)
get_pv_spectrum(self)
@abstractmethod
NonStationaryPhaseVocoder
_past_parameters : Parameters
current_parameters : Parameters
__partials_tracks
_set_current_parameters(self, new_parameters)
track_partials(self)
get_pv_spectrum()
StationaryPhaseVocoder
get_pv_spectrum(self)