

RAPP Platform Tests - Audio Processing

v0.6.0

Generated by Doxygen 1.8.6

Fri Jul 22 2016 10:11:26

Contents

1	Namespace Index	1
1.1	Namespace List	1
2	Hierarchical Index	3
2.1	Class Hierarchy	3
3	Class Index	5
3.1	Class List	5
4	File Index	7
4.1	File List	7
5	Namespace Documentation	9
5.1	denoise_unit_tests Namespace Reference	9
5.2	detect_silence_unit_tests Namespace Reference	9
5.3	energy_denoise_unit_tests Namespace Reference	9
5.4	set_noise_profile_functional Namespace Reference	9
5.4.1	Variable Documentation	9
5.4.1.1	PKG	9
5.5	set_noise_profile_unit_tests Namespace Reference	10
5.6	transform_audio_unit_tests Namespace Reference	10
5.7	utilities_unit_tests Namespace Reference	10
6	Class Documentation	11
6.1	set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc Class Reference	11
6.1.1	Detailed Description	12
6.1.2	Member Function Documentation	12
6.1.2.1	test_setNoiseProfileService_no_silence_file	12
6.1.2.2	test_setNoiseProfileService_ogg	12
6.1.2.3	test_setNoiseProfileService_ogg_stress	12
6.1.2.4	test_setNoiseProfileService_wav_1_ch	12
6.1.2.5	test_setNoiseProfileService_wav_4_ch	12
6.1.2.6	test_setNoiseProfileService_wav_6_ch	12

6.2	denoise_unit_tests.TestAudioProcessing Class Reference	13
6.2.1	Detailed Description	14
6.2.2	Member Function Documentation	14
6.2.2.1	setUp	14
6.2.2.2	tearDown	14
6.2.2.3	test_negativeScale	14
6.2.2.4	test_notExistentAudioFile	14
6.2.2.5	test_notExistentAudioType	14
6.2.2.6	test_notExistentUser	14
6.2.2.7	test_ogg_type_wav_1_ch_file	14
6.2.2.8	test_ogg_type_wav_4_ch_file	14
6.2.2.9	test_realFile	14
6.2.2.10	test_wav_1_ch_type_ogg_file	15
6.2.2.11	test_wav_1_ch_type_wav_4_ch_file	15
6.2.2.12	test_wav_4_ch_type_ogg_file	15
6.2.2.13	test_wav_4_ch_type_wav_1_ch_file	15
6.2.3	Member Data Documentation	15
6.2.3.1	auxiliary_files_url	15
6.2.3.2	rospack	15
6.2.3.3	sox_denoise_module	15
6.3	utilities_unit_tests.TestAudioProcessing Class Reference	15
6.3.1	Detailed Description	16
6.3.2	Member Function Documentation	16
6.3.2.1	setUp	16
6.3.2.2	tearDown	16
6.3.2.3	test_existentFiles	16
6.3.2.4	test_mixedCases	16
6.3.2.5	test_notExistentFiles	17
6.3.3	Member Data Documentation	17
6.3.3.1	utilities_module	17
6.4	transform_audio_unit_tests.TestAudioProcessing Class Reference	17
6.4.1	Detailed Description	18
6.4.2	Member Function Documentation	18
6.4.2.1	id_generator	18
6.4.2.2	setUp	18
6.4.2.3	tearDown	18
6.4.2.4	test_missingSource	18
6.4.2.5	test_missingTarget	18
6.4.2.6	test_nonexistentFile	18
6.4.2.7	test_normalTrans2Flac	18

6.4.2.8	test_normalTransOgg2Wav	19
6.4.2.9	test_wrongTypes	19
6.4.2.10	test_wrongValues	19
6.4.3	Member Data Documentation	19
6.4.3.1	auxiliary_files_url	19
6.4.3.2	rospack	19
6.4.3.3	transform_audio_module	19
6.5	set_noise_profile_unit_tests.TestAudioProcessing Class Reference	19
6.5.1	Detailed Description	20
6.5.2	Member Function Documentation	20
6.5.2.1	setUp	20
6.5.2.2	tearDown	20
6.5.2.3	test_no_silence_file	21
6.5.2.4	test_ogg	21
6.5.2.5	test_ogg_with_wav_1_ch_type	21
6.5.2.6	test_ogg_with_wav_4_ch_type	21
6.5.2.7	test_wav_1_ch	21
6.5.2.8	test_wav_1_ch_with_ogg_type	21
6.5.2.9	test_wav_1_ch_with_wav_4_ch_type	21
6.5.2.10	test_wav_4_ch	21
6.5.2.11	test_wav_4_ch_with_ogg_type	21
6.5.2.12	test_wav_4_ch_with_wav_1_ch_type	21
6.5.2.13	test_wav_6_ch	21
6.5.3	Member Data Documentation	21
6.5.3.1	auxiliary_files_url	21
6.5.3.2	module	22
6.5.3.3	rospack	22
6.6	energy_denoise_unit_tests.TestAudioProcessing Class Reference	22
6.6.1	Detailed Description	23
6.6.2	Member Function Documentation	23
6.6.2.1	setUp	23
6.6.2.2	tearDown	23
6.6.2.3	test_energy_denois	23
6.6.2.4	test_notExistentFile	23
6.6.3	Member Data Documentation	23
6.6.3.1	auxiliary_files_url	23
6.6.3.2	energy_denoise_module	23
6.6.3.3	rospack	23
6.7	detect_silence_unit_tests.TestAudioProcessing Class Reference	24
6.7.1	Detailed Description	24

6.7.2	Member Function Documentation	25
6.7.2.1	setUp	25
6.7.2.2	tearDown	25
6.7.2.3	test_noSilence	25
6.7.2.4	test_notExistentFile	25
6.7.2.5	test_silence	25
6.7.3	Member Data Documentation	25
6.7.3.1	auxiliary_files_url	25
6.7.3.2	detect_silence_module	25
6.7.3.3	rospack	25
7	File Documentation	27
7.1	/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/functional/set_noise_profile_- functional.py File Reference	27
7.2	/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/denoise_unit_tests.py File Reference	27
7.3	/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/detect_silence_unit_- tests.py File Reference	27
7.4	/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/energy_denoise_unit_- tests.py File Reference	28
7.5	/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/set_noise_profile_unit_- tests.py File Reference	28
7.6	/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/transform_audio_unit_- tests.py File Reference	28
7.7	/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/utilities_unit_tests.py File Reference	28
	Index	29

Chapter 1

Namespace Index

1.1 Namespace List

Here is a list of all namespaces with brief descriptions:

denoise_unit_tests	9
detect_silence_unit_tests	9
energy_denoise_unit_tests	9
set_noise_profile_functional	9
set_noise_profile_unit_tests	10
transform_audio_unit_tests	10
utilities_unit_tests	10

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

TestCase	
denoise_unit_tests.TestAudioProcessing	13
detect_silence_unit_tests.TestAudioProcessing	24
energy_denoise_unit_tests.TestAudioProcessing	22
set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc	11
set_noise_profile_unit_tests.TestAudioProcessing	19
transform_audio_unit_tests.TestAudioProcessing	17
utilities_unit_tests.TestAudioProcessing	15

Chapter 3

Class Index

3.1 Class List

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

set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc	11
denoise_unit_tests.TestAudioProcessing	13
utilities_unit_tests.TestAudioProcessing	15
transform_audio_unit_tests.TestAudioProcessing	17
set_noise_profile_unit_tests.TestAudioProcessing	19
energy_denoise_unit_tests.TestAudioProcessing	22
detect_silence_unit_tests.TestAudioProcessing	24

Chapter 4

File Index

4.1 File List

Here is a list of all files with brief descriptions:

/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/functional/ set_noise_profile_functional.py	27
/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/ denoise_unit_tests.py	27
/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/ detect_silence_unit_tests.py	27
/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/ energy_denoise_unit_tests.py	28
/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/ set_noise_profile_unit_tests.py	28
/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/ transform_audio_unit_tests.py	28
/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/ utilities_unit_tests.py	28

Chapter 5

Namespace Documentation

5.1 denoise_unit_tests Namespace Reference

Classes

- class [TestAudioProcessing](#)

5.2 detect_silence_unit_tests Namespace Reference

Classes

- class [TestAudioProcessing](#)

5.3 energy_denoise_unit_tests Namespace Reference

Classes

- class [TestAudioProcessing](#)

5.4 set_noise_profile_functional Namespace Reference

Classes

- class [AudioProcessingSetNoiseProfileFunc](#)

Variables

- string [PKG](#) = 'rapp_audio_processing'

5.4.1 Variable Documentation

5.4.1.1 string `set_noise_profile_functional.PKG` = 'rapp_audio_processing'

Definition at line 21 of file `set_noise_profile_functional.py`.

5.5 set_noise_profile_unit_tests Namespace Reference

Classes

- class [TestAudioProcessing](#)

5.6 transform_audio_unit_tests Namespace Reference

Classes

- class [TestAudioProcessing](#)

5.7 utilities_unit_tests Namespace Reference

Classes

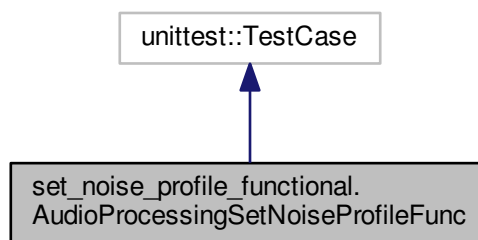
- class [TestAudioProcessing](#)

Chapter 6

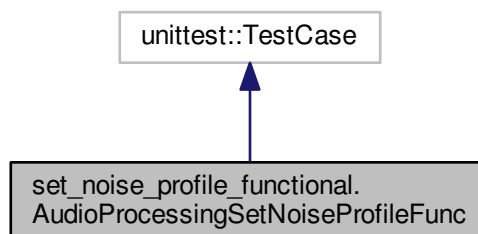
Class Documentation

6.1 set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc Class Reference

Inheritance diagram for set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc:



Collaboration diagram for set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc:



Public Member Functions

- def [test_setNoiseProfileService_no_silence_file](#)
- def [test_setNoiseProfileService_ogg](#)
- def [test_setNoiseProfileService_ogg_stress](#)
- def [test_setNoiseProfileService_wav_1_ch](#)
- def [test_setNoiseProfileService_wav_4_ch](#)
- def [test_setNoiseProfileService_wav_6_ch](#)

6.1.1 Detailed Description

Definition at line 35 of file `set_noise_profile_functional.py`.

6.1.2 Member Function Documentation

6.1.2.1 `def set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc.test_setNoiseProfileService_no_silence_file (self)`

Definition at line 122 of file `set_noise_profile_functional.py`.

6.1.2.2 `def set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc.test_setNoiseProfileService_ogg (self)`

Definition at line 37 of file `set_noise_profile_functional.py`.

6.1.2.3 `def set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc.test_setNoiseProfileService_ogg_stress (self)`

Definition at line 55 of file `set_noise_profile_functional.py`.

6.1.2.4 `def set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc.test_setNoiseProfileService_wav_1_ch (self)`

Definition at line 74 of file `set_noise_profile_functional.py`.

6.1.2.5 `def set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc.test_setNoiseProfileService_wav_4_ch (self)`

Definition at line 90 of file `set_noise_profile_functional.py`.

6.1.2.6 `def set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc.test_setNoiseProfileService_wav_6_ch (self)`

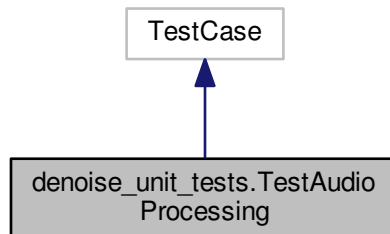
Definition at line 106 of file `set_noise_profile_functional.py`.

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

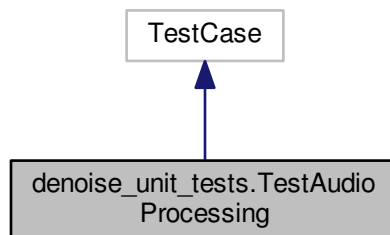
- `/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/functional/set_noise_profile_functional.py`

6.2 denoise_unit_tests.TestAudioProcessing Class Reference

Inheritance diagram for denoise_unit_tests.TestAudioProcessing:



Collaboration diagram for denoise_unit_tests.TestAudioProcessing:



Public Member Functions

- def [setUp](#)
- def [tearDown](#)
- def [test_negativeScale](#)
- def [test_notExistentAudioFile](#)
- def [test_notExistentAudioType](#)
- def [test_notExistentUser](#)
- def [test_ogg_type_wav_1_ch_file](#)
- def [test_ogg_type_wav_4_ch_file](#)
- def [test_realFile](#)
- def [test_wav_1_ch_type_ogg_file](#)
- def [test_wav_1_ch_type_wav_4_ch_file](#)
- def [test_wav_4_ch_type_ogg_file](#)
- def [test_wav_4_ch_type_wav_1_ch_file](#)

Public Attributes

- [auxiliary_files_url](#)
- [rospack](#)
- [sox_denoise_module](#)

6.2.1 Detailed Description

Definition at line 33 of file `denoise_unit_tests.py`.

6.2.2 Member Function Documentation

6.2.2.1 `def denoise_unit_tests.TestAudioProcessing.setUp (self)`

Definition at line 34 of file `denoise_unit_tests.py`.

6.2.2.2 `def denoise_unit_tests.TestAudioProcessing.tearDown (self)`

Definition at line 40 of file `denoise_unit_tests.py`.

6.2.2.3 `def denoise_unit_tests.TestAudioProcessing.test_negativeScale (self)`

Definition at line 123 of file `denoise_unit_tests.py`.

6.2.2.4 `def denoise_unit_tests.TestAudioProcessing.test_notExistentAudioFile (self)`

Definition at line 76 of file `denoise_unit_tests.py`.

6.2.2.5 `def denoise_unit_tests.TestAudioProcessing.test_notExistentAudioType (self)`

Definition at line 108 of file `denoise_unit_tests.py`.

6.2.2.6 `def denoise_unit_tests.TestAudioProcessing.test_notExistentUser (self)`

Definition at line 92 of file `denoise_unit_tests.py`.

6.2.2.7 `def denoise_unit_tests.TestAudioProcessing.test_ogg_type_wav_1_ch_file (self)`

Definition at line 138 of file `denoise_unit_tests.py`.

6.2.2.8 `def denoise_unit_tests.TestAudioProcessing.test_ogg_type_wav_4_ch_file (self)`

Definition at line 153 of file `denoise_unit_tests.py`.

6.2.2.9 `def denoise_unit_tests.TestAudioProcessing.test_realFile (self)`

Definition at line 44 of file `denoise_unit_tests.py`.

6.2.2.10 `def denoise_unit_tests.TestAudioProcessing.test_wav_1_ch_type_ogg_file (self)`

Definition at line 168 of file `denoise_unit_tests.py`.

6.2.2.11 `def denoise_unit_tests.TestAudioProcessing.test_wav_1_ch_type_wav_4_ch_file (self)`

Definition at line 183 of file `denoise_unit_tests.py`.

6.2.2.12 `def denoise_unit_tests.TestAudioProcessing.test_wav_4_ch_type_ogg_file (self)`

Definition at line 198 of file `denoise_unit_tests.py`.

6.2.2.13 `def denoise_unit_tests.TestAudioProcessing.test_wav_4_ch_type_wav_1_ch_file (self)`

Definition at line 213 of file `denoise_unit_tests.py`.

6.2.3 Member Data Documentation

6.2.3.1 `denoise_unit_tests.TestAudioProcessing.auxiliary_files_url`

Definition at line 36 of file `denoise_unit_tests.py`.

6.2.3.2 `denoise_unit_tests.TestAudioProcessing.rospack`

Definition at line 42 of file `denoise_unit_tests.py`.

6.2.3.3 `denoise_unit_tests.TestAudioProcessing.sox_denoise_module`

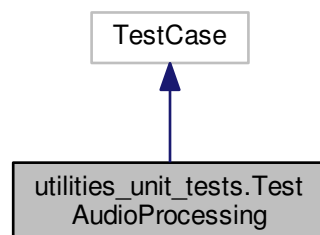
Definition at line 38 of file `denoise_unit_tests.py`.

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

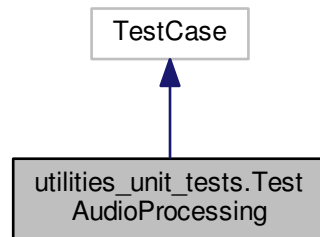
- `/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/denoise_unit_tests.py`

6.3 utilities_unit_tests.TestAudioProcessing Class Reference

Inheritance diagram for `utilities_unit_tests.TestAudioProcessing`:



Collaboration diagram for `utilities_unit_tests.TestAudioProcessing`:



Public Member Functions

- def [setUp](#)
- def [tearDown](#)
- def [test_existentFiles](#)
- def [test_mixedCases](#)
- def [test_notExistentFiles](#)

Public Attributes

- [utilities_module](#)

6.3.1 Detailed Description

Definition at line 30 of file `utilities_unit_tests.py`.

6.3.2 Member Function Documentation

6.3.2.1 `def utilities_unit_tests.TestAudioProcessing.setUp (self)`

Definition at line 31 of file `utilities_unit_tests.py`.

6.3.2.2 `def utilities_unit_tests.TestAudioProcessing.tearDown (self)`

Definition at line 34 of file `utilities_unit_tests.py`.

6.3.2.3 `def utilities_unit_tests.TestAudioProcessing.test_existentFiles (self)`

Definition at line 37 of file `utilities_unit_tests.py`.

6.3.2.4 `def utilities_unit_tests.TestAudioProcessing.test_mixedCases (self)`

Definition at line 63 of file `utilities_unit_tests.py`.

6.3.2.5 `def utilities_unit_tests.TestAudioProcessing.test_notExistentFiles (self)`

Definition at line 53 of file `utilities_unit_tests.py`.

6.3.3 Member Data Documentation

6.3.3.1 `utilities_unit_tests.TestAudioProcessing.utilities_module`

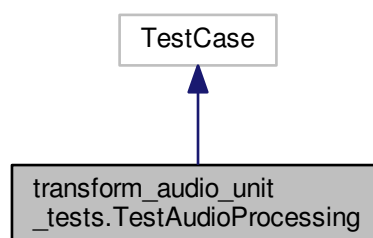
Definition at line 32 of file `utilities_unit_tests.py`.

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

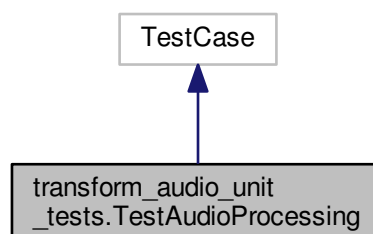
- `/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/utilities_unit_tests.py`

6.4 transform_audio_unit_tests.TestAudioProcessing Class Reference

Inheritance diagram for `transform_audio_unit_tests.TestAudioProcessing`:



Collaboration diagram for `transform_audio_unit_tests.TestAudioProcessing`:



Public Member Functions

- `def id_generator`

- def [setUp](#)
- def [tearDown](#)
- def [test_missingSource](#)
- def [test_missingTarget](#)
- def [test_nonexistentFile](#)
- def [test_normalTrans2Flac](#)
- def [test_normalTransOgg2Wav](#)
- def [test_wrongTypes](#)
- def [test_wrongValues](#)

Public Attributes

- [auxiliary_files_url](#)
- [rospack](#)
- [transform_audio_module](#)

6.4.1 Detailed Description

Definition at line 36 of file `transform_audio_unit_tests.py`.

6.4.2 Member Function Documentation

6.4.2.1 `def transform_audio_unit_tests.TestAudioProcessing.id_generator (self, size = 15, chars = string.ascii_lowercase + '_')`

Definition at line 280 of file `transform_audio_unit_tests.py`.

6.4.2.2 `def transform_audio_unit_tests.TestAudioProcessing.setUp (self)`

Definition at line 37 of file `transform_audio_unit_tests.py`.

6.4.2.3 `def transform_audio_unit_tests.TestAudioProcessing.tearDown (self)`

Definition at line 43 of file `transform_audio_unit_tests.py`.

6.4.2.4 `def transform_audio_unit_tests.TestAudioProcessing.test_missingSource (self)`

Definition at line 190 of file `transform_audio_unit_tests.py`.

6.4.2.5 `def transform_audio_unit_tests.TestAudioProcessing.test_missingTarget (self)`

Definition at line 213 of file `transform_audio_unit_tests.py`.

6.4.2.6 `def transform_audio_unit_tests.TestAudioProcessing.test_nonexistentFile (self)`

Definition at line 121 of file `transform_audio_unit_tests.py`.

6.4.2.7 `def transform_audio_unit_tests.TestAudioProcessing.test_normalTrans2Flac (self)`

Definition at line 47 of file `transform_audio_unit_tests.py`.

6.4.2.8 `def transform_audio_unit_tests.TestAudioProcessing.test_normalTransOgg2Wav (self)`

Definition at line 88 of file `transform_audio_unit_tests.py`.

6.4.2.9 `def transform_audio_unit_tests.TestAudioProcessing.test_wrongTypes (self)`

Definition at line 146 of file `transform_audio_unit_tests.py`.

6.4.2.10 `def transform_audio_unit_tests.TestAudioProcessing.test_wrongValues (self)`

Definition at line 234 of file `transform_audio_unit_tests.py`.

6.4.3 Member Data Documentation

6.4.3.1 `transform_audio_unit_tests.TestAudioProcessing.auxiliary_files_url`

Definition at line 39 of file `transform_audio_unit_tests.py`.

6.4.3.2 `transform_audio_unit_tests.TestAudioProcessing.rospack`

Definition at line 45 of file `transform_audio_unit_tests.py`.

6.4.3.3 `transform_audio_unit_tests.TestAudioProcessing.transform_audio_module`

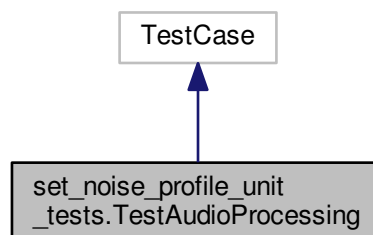
Definition at line 41 of file `transform_audio_unit_tests.py`.

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

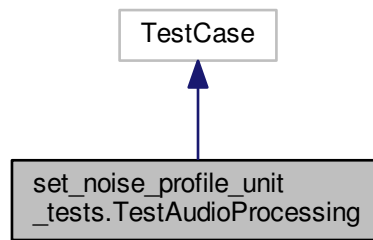
- `/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/transform_audio_unit_tests.py`

6.5 set_noise_profile_unit_tests.TestAudioProcessing Class Reference

Inheritance diagram for `set_noise_profile_unit_tests.TestAudioProcessing`:



Collaboration diagram for `set_noise_profile_unit_tests.TestAudioProcessing`:



Public Member Functions

- def [setUp](#)
- def [tearDown](#)
- def [test_no_silence_file](#)
- def [test_ogg](#)
- def [test_ogg_with_wav_1_ch_type](#)
- def [test_ogg_with_wav_4_ch_type](#)
- def [test_wav_1_ch](#)
- def [test_wav_1_ch_with_ogg_type](#)
- def [test_wav_1_ch_with_wav_4_ch_type](#)
- def [test_wav_4_ch](#)
- def [test_wav_4_ch_with_ogg_type](#)
- def [test_wav_4_ch_with_wav_1_ch_type](#)
- def [test_wav_6_ch](#)

Public Attributes

- [auxiliary_files_url](#)
- [module](#)
- [rospack](#)

6.5.1 Detailed Description

Definition at line 31 of file `set_noise_profile_unit_tests.py`.

6.5.2 Member Function Documentation

6.5.2.1 `def set_noise_profile_unit_tests.TestAudioProcessing.setUp (self)`

Definition at line 32 of file `set_noise_profile_unit_tests.py`.

6.5.2.2 `def set_noise_profile_unit_tests.TestAudioProcessing.tearDown (self)`

Definition at line 38 of file `set_noise_profile_unit_tests.py`.

6.5.2.3 `def set_noise_profile_unit_tests.TestAudioProcessing.test_no_silence_file (self)`

Definition at line 92 of file `set_noise_profile_unit_tests.py`.

6.5.2.4 `def set_noise_profile_unit_tests.TestAudioProcessing.test_ogg (self)`

Definition at line 42 of file `set_noise_profile_unit_tests.py`.

6.5.2.5 `def set_noise_profile_unit_tests.TestAudioProcessing.test_ogg_with_wav_1_ch_type (self)`

Definition at line 127 of file `set_noise_profile_unit_tests.py`.

6.5.2.6 `def set_noise_profile_unit_tests.TestAudioProcessing.test_ogg_with_wav_4_ch_type (self)`

Definition at line 134 of file `set_noise_profile_unit_tests.py`.

6.5.2.7 `def set_noise_profile_unit_tests.TestAudioProcessing.test_wav_1_ch (self)`

Definition at line 57 of file `set_noise_profile_unit_tests.py`.

6.5.2.8 `def set_noise_profile_unit_tests.TestAudioProcessing.test_wav_1_ch_with_ogg_type (self)`

Definition at line 99 of file `set_noise_profile_unit_tests.py`.

6.5.2.9 `def set_noise_profile_unit_tests.TestAudioProcessing.test_wav_1_ch_with_wav_4_ch_type (self)`

Definition at line 106 of file `set_noise_profile_unit_tests.py`.

6.5.2.10 `def set_noise_profile_unit_tests.TestAudioProcessing.test_wav_4_ch (self)`

Definition at line 71 of file `set_noise_profile_unit_tests.py`.

6.5.2.11 `def set_noise_profile_unit_tests.TestAudioProcessing.test_wav_4_ch_with_ogg_type (self)`

Definition at line 113 of file `set_noise_profile_unit_tests.py`.

6.5.2.12 `def set_noise_profile_unit_tests.TestAudioProcessing.test_wav_4_ch_with_wav_1_ch_type (self)`

Definition at line 120 of file `set_noise_profile_unit_tests.py`.

6.5.2.13 `def set_noise_profile_unit_tests.TestAudioProcessing.test_wav_6_ch (self)`

Definition at line 85 of file `set_noise_profile_unit_tests.py`.

6.5.3 Member Data Documentation

6.5.3.1 `set_noise_profile_unit_tests.TestAudioProcessing.auxiliary_files_url`

Definition at line 34 of file `set_noise_profile_unit_tests.py`.

6.5.3.2 `set_noise_profile_unit_tests.TestAudioProcessing.module`

Definition at line 36 of file `set_noise_profile_unit_tests.py`.

6.5.3.3 `set_noise_profile_unit_tests.TestAudioProcessing.rospack`

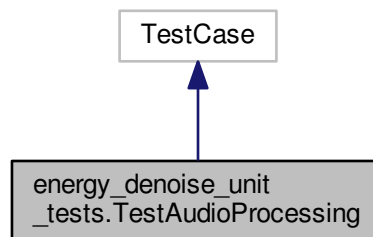
Definition at line 40 of file `set_noise_profile_unit_tests.py`.

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

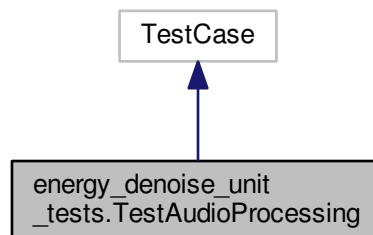
- `/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/set_noise_profile_unit_tests.py`

6.6 `energy_denoise_unit_tests.TestAudioProcessing` Class Reference

Inheritance diagram for `energy_denoise_unit_tests.TestAudioProcessing`:



Collaboration diagram for `energy_denoise_unit_tests.TestAudioProcessing`:



Public Member Functions

- def [setUp](#)
- def [tearDown](#)
- def [test_energy_denois](#)
- def [test_notExistentFile](#)

Public Attributes

- [auxiliary_files_url](#)
- [energy_denoise_module](#)
- [rospack](#)

6.6.1 Detailed Description

Definition at line 33 of file energy_denoise_unit_tests.py.

6.6.2 Member Function Documentation

6.6.2.1 def energy_denoise_unit_tests.TestAudioProcessing.setUp (self)

Definition at line 34 of file energy_denoise_unit_tests.py.

6.6.2.2 def energy_denoise_unit_tests.TestAudioProcessing.tearDown (self)

Definition at line 40 of file energy_denoise_unit_tests.py.

6.6.2.3 def energy_denoise_unit_tests.TestAudioProcessing.test_energy_denois (self)

Definition at line 44 of file energy_denoise_unit_tests.py.

6.6.2.4 def energy_denoise_unit_tests.TestAudioProcessing.test_notExistentFile (self)

Definition at line 72 of file energy_denoise_unit_tests.py.

6.6.3 Member Data Documentation

6.6.3.1 energy_denoise_unit_tests.TestAudioProcessing.auxiliary_files_url

Definition at line 36 of file energy_denoise_unit_tests.py.

6.6.3.2 energy_denoise_unit_tests.TestAudioProcessing.energy_denoise_module

Definition at line 38 of file energy_denoise_unit_tests.py.

6.6.3.3 energy_denoise_unit_tests.TestAudioProcessing.rospack

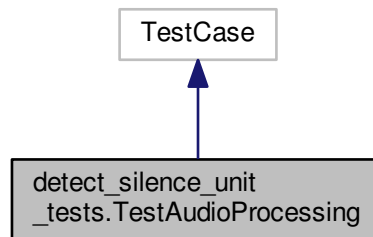
Definition at line 42 of file energy_denoise_unit_tests.py.

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

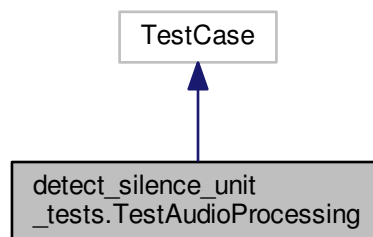
- [/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/energy_denoise_unit_tests.py](#)

6.7 detect_silence_unit_tests.TestAudioProcessing Class Reference

Inheritance diagram for detect_silence_unit_tests.TestAudioProcessing:



Collaboration diagram for detect_silence_unit_tests.TestAudioProcessing:



Public Member Functions

- def [setUp](#)
- def [tearDown](#)
- def [test_noSilence](#)
- def [test_notExistentFile](#)
- def [test_silence](#)

Public Attributes

- [auxiliary_files_url](#)
- [detect_silence_module](#)
- [rospack](#)

6.7.1 Detailed Description

Definition at line 31 of file `detect_silence_unit_tests.py`.

6.7.2 Member Function Documentation

6.7.2.1 def detect_silence_unit_tests.TestAudioProcessing.setUp (self)

Definition at line 32 of file detect_silence_unit_tests.py.

6.7.2.2 def detect_silence_unit_tests.TestAudioProcessing.tearDown (self)

Definition at line 38 of file detect_silence_unit_tests.py.

6.7.2.3 def detect_silence_unit_tests.TestAudioProcessing.test_noSilence (self)

Definition at line 47 of file detect_silence_unit_tests.py.

6.7.2.4 def detect_silence_unit_tests.TestAudioProcessing.test_notExistentFile (self)

Definition at line 52 of file detect_silence_unit_tests.py.

6.7.2.5 def detect_silence_unit_tests.TestAudioProcessing.test_silence (self)

Definition at line 42 of file detect_silence_unit_tests.py.

6.7.3 Member Data Documentation

6.7.3.1 detect_silence_unit_tests.TestAudioProcessing.auxiliary_files_url

Definition at line 34 of file detect_silence_unit_tests.py.

6.7.3.2 detect_silence_unit_tests.TestAudioProcessing.detect_silence_module

Definition at line 36 of file detect_silence_unit_tests.py.

6.7.3.3 detect_silence_unit_tests.TestAudioProcessing.rospack

Definition at line 40 of file detect_silence_unit_tests.py.

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

- /home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/[detect_silence_unit_tests.py](#)

Chapter 7

File Documentation

7.1 /home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/functional/set_noise_profile_functional.py File Reference

Classes

- class [set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc](#)

Namespaces

- [set_noise_profile_functional](#)

Variables

- string [set_noise_profile_functional.PKG](#) = 'rapp_audio_processing'

7.2 /home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/denoise_unit_tests.py File Reference

Classes

- class [denoise_unit_tests.TestAudioProcessing](#)

Namespaces

- [denoise_unit_tests](#)

7.3 /home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/detect_silence_unit_tests.py File Reference

Classes

- class [detect_silence_unit_tests.TestAudioProcessing](#)

Namespaces

- [detect_silence_unit_tests](#)

7.4 /home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/energy_denoise_unit_tests.py File Reference

Classes

- class [energy_denoise_unit_tests.TestAudioProcessing](#)

Namespaces

- [energy_denoise_unit_tests](#)

7.5 /home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/set_noise_profile_unit_tests.py File Reference

Classes

- class [set_noise_profile_unit_tests.TestAudioProcessing](#)

Namespaces

- [set_noise_profile_unit_tests](#)

7.6 /home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/transform_audio_unit_tests.py File Reference

Classes

- class [transform_audio_unit_tests.TestAudioProcessing](#)

Namespaces

- [transform_audio_unit_tests](#)

7.7 /home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/utilities_unit_tests.py File Reference

Classes

- class [utilities_unit_tests.TestAudioProcessing](#)

Namespaces

- [utilities_unit_tests](#)

Index

/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/functional/set_noise_profile_functional.py, [27](#)

/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/denoise_unit_tests.py, [27](#)

/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/detect_silence_unit_tests.py, [27](#)

/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/energy_denoise_unit_tests.py, [28](#)

/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/set_noise_profile_unit_tests.py, [28](#)

/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/transform_audio_unit_tests.py, [28](#)

/home/travis/rapp_temp/rapp-platform/rapp_audio_processing/tests/unit/utilities_unit_tests.py, [28](#)

auxiliary_files_url

- denoise_unit_tests::TestAudioProcessing, [15](#)
- detect_silence_unit_tests::TestAudioProcessing, [25](#)
- energy_denoise_unit_tests::TestAudioProcessing, [23](#)
- set_noise_profile_unit_tests::TestAudioProcessing, [21](#)
- transform_audio_unit_tests::TestAudioProcessing, [19](#)

denoise_unit_tests, [9](#)

denoise_unit_tests.TestAudioProcessing, [13](#)

denoise_unit_tests::TestAudioProcessing

- auxiliary_files_url, [15](#)
- rospack, [15](#)
- setUp, [14](#)
- sox_denoise_module, [15](#)
- tearDown, [14](#)
- test_negativeScale, [14](#)
- test_notExistentAudioFile, [14](#)
- test_notExistentAudioType, [14](#)
- test_notExistentUser, [14](#)
- test_realFile, [14](#)

detect_silence_module

- detect_silence_unit_tests::TestAudioProcessing, [25](#)

detect_silence_unit_tests, [9](#)

detect_silence_unit_tests.TestAudioProcessing, [24](#)

detect_silence_unit_tests::TestAudioProcessing

- auxiliary_files_url, [25](#)
- detect_silence_module, [25](#)
- rospack, [25](#)
- setUp, [25](#)
- tearDown, [25](#)
- test_noSilence, [25](#)
- test_notExistentFile, [25](#)
- test_silence, [25](#)

energy_denoise_module

- energy_denoise_unit_tests::TestAudioProcessing, [23](#)

energy_denoise_unit_tests, [9](#)

energy_denoise_unit_tests.TestAudioProcessing, [22](#)

energy_denoise_unit_tests::TestAudioProcessing

- auxiliary_files_url, [23](#)
- energy_denoise_module, [23](#)
- rospack, [23](#)
- setUp, [23](#)
- tearDown, [23](#)
- test_energy_denois, [23](#)
- test_notExistentFile, [23](#)

id_generator

- transform_audio_unit_tests::TestAudioProcessing, [18](#)

module

- set_noise_profile_unit_tests::TestAudioProcessing, [21](#)

PKG

- set_noise_profile_functional, [9](#)

rospack

- denoise_unit_tests::TestAudioProcessing, [15](#)
- detect_silence_unit_tests::TestAudioProcessing, [25](#)
- energy_denoise_unit_tests::TestAudioProcessing, [23](#)
- set_noise_profile_unit_tests::TestAudioProcessing, [22](#)
- transform_audio_unit_tests::TestAudioProcessing, [19](#)

set_noise_profile_functional, [9](#)

PKG, [9](#)

set_noise_profile_functional.AudioProcessingSetNoiseProfileFunc, [11](#)

- set_noise_profile_unit_tests, 10
- set_noise_profile_unit_tests.TestAudioProcessing, 19
- set_noise_profile_unit_tests::TestAudioProcessing
 - auxiliary_files_url, 21
 - module, 21
 - rospack, 22
 - setUp, 20
 - tearDown, 20
 - test_no_silence_file, 20
 - test_ogg, 21
 - test_wav_1_ch, 21
 - test_wav_4_ch, 21
 - test_wav_6_ch, 21
- setUp
 - denoise_unit_tests::TestAudioProcessing, 14
 - detect_silence_unit_tests::TestAudioProcessing, 25
 - energy_denoise_unit_tests::TestAudioProcessing, 23
 - set_noise_profile_unit_tests::TestAudioProcessing, 20
 - transform_audio_unit_tests::TestAudioProcessing, 18
 - utilities_unit_tests::TestAudioProcessing, 16
- sox_denoise_module
 - denoise_unit_tests::TestAudioProcessing, 15
- tearDown
 - denoise_unit_tests::TestAudioProcessing, 14
 - detect_silence_unit_tests::TestAudioProcessing, 25
 - energy_denoise_unit_tests::TestAudioProcessing, 23
 - set_noise_profile_unit_tests::TestAudioProcessing, 20
 - transform_audio_unit_tests::TestAudioProcessing, 18
 - utilities_unit_tests::TestAudioProcessing, 16
- test_energy_denois
 - energy_denoise_unit_tests::TestAudioProcessing, 23
- test_existentFiles
 - utilities_unit_tests::TestAudioProcessing, 16
- test_missingSource
 - transform_audio_unit_tests::TestAudioProcessing, 18
- test_missingTarget
 - transform_audio_unit_tests::TestAudioProcessing, 18
- test_mixedCases
 - utilities_unit_tests::TestAudioProcessing, 16
- test_negativeScale
 - denoise_unit_tests::TestAudioProcessing, 14
- test_no_silence_file
 - set_noise_profile_unit_tests::TestAudioProcessing, 20
- test_noSilence
 - detect_silence_unit_tests::TestAudioProcessing, 25
- test_nonexistentFile
 - transform_audio_unit_tests::TestAudioProcessing, 18
- test_normalTrans2Flac
 - transform_audio_unit_tests::TestAudioProcessing, 18
- test_normalTransOgg2Wav
 - transform_audio_unit_tests::TestAudioProcessing, 18
- test_notExistentAudioFile
 - denoise_unit_tests::TestAudioProcessing, 14
- test_notExistentAudioType
 - denoise_unit_tests::TestAudioProcessing, 14
- test_notExistentFile
 - detect_silence_unit_tests::TestAudioProcessing, 25
 - energy_denoise_unit_tests::TestAudioProcessing, 23
- test_notExistentFiles
 - utilities_unit_tests::TestAudioProcessing, 16
- test_notExistentUser
 - denoise_unit_tests::TestAudioProcessing, 14
- test_ogg
 - set_noise_profile_unit_tests::TestAudioProcessing, 21
- test_ogg_type_wav_1_ch_file
 - denoise_unit_tests::TestAudioProcessing, 14
- test_ogg_type_wav_4_ch_file
 - denoise_unit_tests::TestAudioProcessing, 14
- test_ogg_with_wav_1_ch_type
 - set_noise_profile_unit_tests::TestAudioProcessing, 21
- test_ogg_with_wav_4_ch_type
 - set_noise_profile_unit_tests::TestAudioProcessing, 21
- test_realFile
 - denoise_unit_tests::TestAudioProcessing, 14
- test_setNoiseProfileService_no_silence_file
 - set_noise_profile_functional::AudioProcessingSet-NoiseProfileFunc, 12
- test_setNoiseProfileService_ogg
 - set_noise_profile_functional::AudioProcessingSet-NoiseProfileFunc, 12
- test_setNoiseProfileService_ogg_stress
 - set_noise_profile_functional::AudioProcessingSet-NoiseProfileFunc, 12
- test_setNoiseProfileService_wav_1_ch
 - set_noise_profile_functional::AudioProcessingSet-NoiseProfileFunc, 12
- test_setNoiseProfileService_wav_4_ch
 - set_noise_profile_functional::AudioProcessingSet-NoiseProfileFunc, 12
- test_setNoiseProfileService_wav_6_ch
 - set_noise_profile_functional::AudioProcessingSet-NoiseProfileFunc, 12
- test_silence
 - detect_silence_unit_tests::TestAudioProcessing, 25

- test_wav_1_ch
 - set_noise_profile_unit_tests::TestAudioProcessing, [21](#)
- test_wav_1_ch_type_ogg_file
 - denoise_unit_tests::TestAudioProcessing, [14](#)
- test_wav_1_ch_with_ogg_type
 - set_noise_profile_unit_tests::TestAudioProcessing, [21](#)
- test_wav_4_ch
 - set_noise_profile_unit_tests::TestAudioProcessing, [21](#)
- test_wav_4_ch_type_ogg_file
 - denoise_unit_tests::TestAudioProcessing, [15](#)
- test_wav_4_ch_with_ogg_type
 - set_noise_profile_unit_tests::TestAudioProcessing, [21](#)
- test_wav_6_ch
 - set_noise_profile_unit_tests::TestAudioProcessing, [21](#)
- test_wrongTypes
 - transform_audio_unit_tests::TestAudioProcessing, [19](#)
- test_wrongValues
 - transform_audio_unit_tests::TestAudioProcessing, [19](#)
- transform_audio_module
 - transform_audio_unit_tests::TestAudioProcessing, [19](#)
- transform_audio_unit_tests, [10](#)
- transform_audio_unit_tests.TestAudioProcessing, [17](#)
- transform_audio_unit_tests::TestAudioProcessing
 - auxiliary_files_url, [19](#)
 - id_generator, [18](#)
 - rospack, [19](#)
 - setUp, [18](#)
 - tearDown, [18](#)
 - test_missingSource, [18](#)
 - test_missingTarget, [18](#)
 - test_nonexistentFile, [18](#)
 - test_normalTrans2Flac, [18](#)
 - test_normalTransOgg2Wav, [18](#)
 - test_wrongTypes, [19](#)
 - test_wrongValues, [19](#)
 - transform_audio_module, [19](#)
- utilities_module
 - utilities_unit_tests::TestAudioProcessing, [17](#)
- utilities_unit_tests, [10](#)
- utilities_unit_tests.TestAudioProcessing, [15](#)
- utilities_unit_tests::TestAudioProcessing
 - setUp, [16](#)
 - tearDown, [16](#)
 - test_existentFiles, [16](#)
 - test_mixedCases, [16](#)
 - test_notExistentFiles, [16](#)
 - utilities_module, [17](#)