

Final Report Tests For Gr-Ecss

Date: 2019-11-05 17:31:28

Here are appended all the test results processed automatically

Tests List	Status
debug_func_probe	appended
fixed_point_math	appended
float_to_double	appended
float_to_int64	appended
int_to_int64	appended
integer_math	appended
iqbal_gen	appended
null_source_sink	appended
selector	appended
sine_debug	appended
snr_estimator	appended
vector_sink_source_double	appended
vector_sink_source_int64	appended

qa_debug_func_probe

Path header file: /mnt/c/Users/amir/WSL/grc/gr-flaress/include/flaress/debug_func_probe.h

Checksum header file: 68f028d338337e5b089c7a767770bfb3

Path second header file: /mnt/c/Users/amir/WSL/grc/gr-flaress/lib/debug_func_probe_impl.h

Checksum second header file: 873cdb0fc9e11a21c31666cdbe27479e

Path C++ file: /mnt/c/Users/amir/WSL/grc/gr-flaress/lib/debug_func_probe_impl.cc

Checksum C++ file: 9fd2f12788772de9439cb32617189232

Path test file: /mnt/c/Users/amir/WSL/grc/gr-flaress/python/qa_debug_func_probe.py

Checksum test file: bbb4ecf6a65a8e021ffb4772c1f5f27b

Start Time: 2019-11-05 17:30:08

Duration: 0:00:16

Status: Pass: 3

Test name	Stack	Status
test_001_t: one set function after 0.5 seconds	-Set function received at the moment: 2.000000 s.	Pass
test_002_t: one set function after 1 second	-Set function received at the moment: 2.000000 s.	Pass
test_003_t: two set function after 1 second and 2 seconds	-Set function received at the moment: 2.000000 s. -Set function received at the moment: 2.000000 s.	Pass
Total Tests Run:	Pass: 3	

qa_fixed_point_math

Path header file: NOT FOUND header_file_path!

Checksum header file: NOT FOUND checksum_header_file!

Path second header file: NOT FOUND header_impl_file_path!

Checksum second header file: NOT FOUNDchecksum_header_impl_file!

Path C++ file: NOT FOUND cpp_impl_file_path!

Checksum C++ file: NOT FOUND checksum_cpp_impl_file!

Path test file: /mnt/c/Users/amir/WSL/grc/gr-flaress/python/qa_fixed_point_math.py

Checksum test file: f59f427d5612557aca766312a78c048f

Start Time: 2019-11-05 17:30:56

Duration: 0:00:00

Status: Pass: 1

Test name	Stack	Status
test_001_t: fractional		Pass
Total Tests Run:	Pass: 1	

qa_float_to_double

Path header file: /mnt/c/Users/amir/WSL/grc/gr-flaress/include/flaress/float_to_double.h

Checksum header file: b846aa505820f1ecd42c7346f0481405

Path second header file: /mnt/c/Users/amir/WSL/grc/gr-flaress/lib/float_to_double_impl.h

Checksum second header file: 9a18bda88e3d8354809ddd66316386e7

Path C++ file: /mnt/c/Users/amir/WSL/grc/gr-flaress/lib/float_to_double_impl.cc

Checksum C++ file: 96c29287d6eeab2cad63df94c33f7fe9

Path test file: /mnt/c/Users/amir/WSL/grc/gr-flaress/python/qa_float_to_double.py

Checksum test file: aa252a342bcced07ce0fc7b14593f3a2

Start Time: 2019-11-05 17:29:09

Duration: 0:00:00

Status: Pass: 5

Test name	Stack	Status
test_001: that sink has data set in source for the simplest case		Pass
test_002: vectors (the gnuradio vector I/O type)		Pass
test_003: sending and receiving tagged streams		Pass
test_004: set_data		Pass
test_005: set_repeat		Pass
Total Tests Run:		Pass: 5

qa_float_to_int64

Path header file: /mnt/c/Users/amir/WSL/grc/gr-flaress/include/flaress/float_to_int64.h

Checksum header file: f5b11b0dbaa2718be1fbc288b53e4d58

Path second header file: /mnt/c/Users/amir/WSL/grc/gr-flaress/lib/float_to_int64_impl.h

Checksum second header file: c0deaa136ce78a6da9519bd7b5220c5f

Path C++ file: /mnt/c/Users/amir/WSL/grc/gr-flaress/lib/float_to_int64_impl.cc

Checksum C++ file: 72d3f4f79ac28f2f6bcf4ddb85c5974f

Path test file: /mnt/c/Users/amir/WSL/grc/gr-flaress/python/qa_float_to_int64.py

Checksum test file: f2ab91ffbc04dcbef0e59057c234c3b0

Start Time: 2019-11-05 17:29:10

Duration: 0:00:00

Status: Pass: 5

Test name	Stack	Status
test_001: that sink has data set in source for the simplest case		Pass
test_002: vectors (the gnuradio vector I/O type)		Pass
test_003: sending and receiving tagged streams		Pass
test_004: set_data		Pass
test_005: set_repeat		Pass
Total Tests Run:	Pass: 5	

qa_int_to_int64

Path header file: /mnt/c/Users/amir/WSL/grc/gr-flaress/include/flaress/int_to_int64.h

Checksum header file: 43af6dad4dcd506624d8e254e96c561d

Path second header file: /mnt/c/Users/amir/WSL/grc/gr-flaress/lib/int_to_int64_impl.h

Checksum second header file: 9f96f2746fe3a8575c79d0d448a2d542

Path C++ file: /mnt/c/Users/amir/WSL/grc/gr-flaress/lib/int_to_int64_impl.cc

Checksum C++ file: d80e2de4353c8b8cfc9b8275f0281806

Path test file: /mnt/c/Users/amir/WSL/grc/gr-flaress/python/qa_int_to_int64.py

Checksum test file: 4bde1dda701b3c881d68ecb8f7f9bbde

Start Time: 2019-11-05 17:30:41

Duration: 0:00:00

Status: Pass: 5

Test name	Stack	Status
test_001: that sink has data set in source for the simplest case		Pass
test_002: vectors (the gnuradio vector I/O type)		Pass
test_003: sending and receiving tagged streams		Pass
test_004: set_data		Pass
test_005: set_repeat		Pass
Total Tests Run:	Pass: 5	

qa_integer_math

Path header file: NOT FOUND header_file_path!

Checksum header file: NOT FOUND checksum_header_file!

Path second header file: NOT FOUND header_impl_file_path!

Checksum second header file: NOT FOUNDchecksum_header_impl_file!

Path C++ file: NOT FOUND cpp_impl_file_path!

Checksum C++ file: NOT FOUND checksum_cpp_impl_file!

Path test file: /mnt/c/Users/amir/WSL/grc/gr-flaress/python/qa_integer_math.py

Checksum test file: 3a3516567a96d7f21584755119c57ecc

Start Time: 2019-11-05 17:30:57

Duration: 0:00:00

Status: Pass: 2

Test name	Stack	Status
test_001_t: int input		Pass
test_002_t: long input		Pass
Total Tests Run:	Pass: 2	

qa_iqbal_gen

Path header file: NOT FOUND header_file_path!

Checksum header file: NOT FOUND checksum_header_file!

Path second header file: NOT FOUND header_impl_file_path!

Checksum second header file: NOT FOUNDchecksum_header_impl_file!

Path C++ file: NOT FOUND cpp_impl_file_path!

Checksum C++ file: NOT FOUND checksum_cpp_impl_file!

Path test file: /mnt/c/Users/amir/WSL/grc/gr-flaress/python/qa_iqbal_gen.py

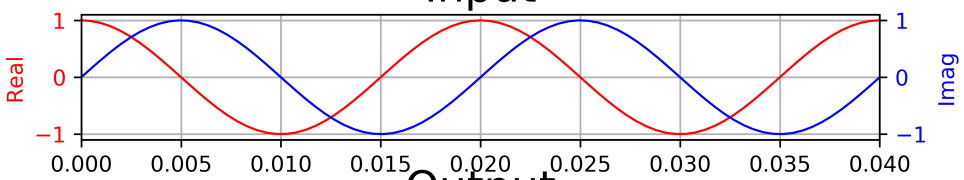
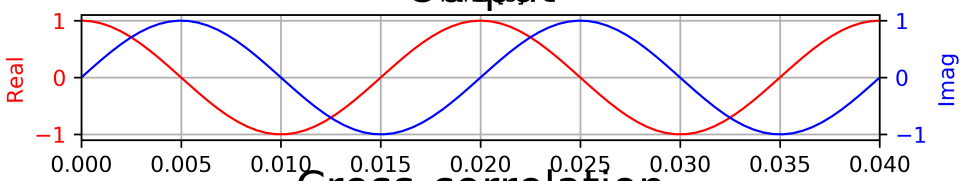
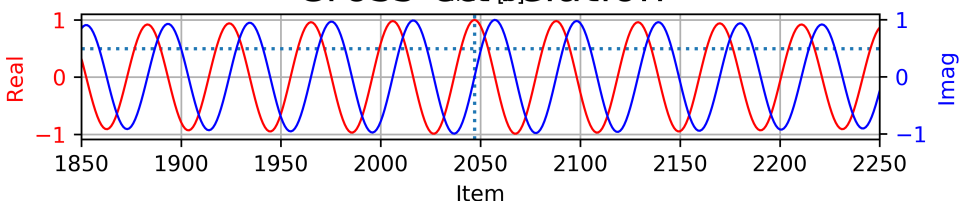
Checksum test file: 29f9577459bc7169efc155e75ca15151

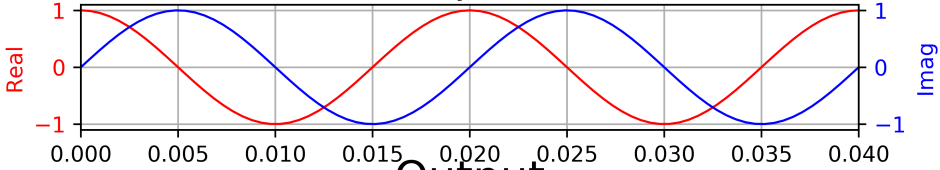
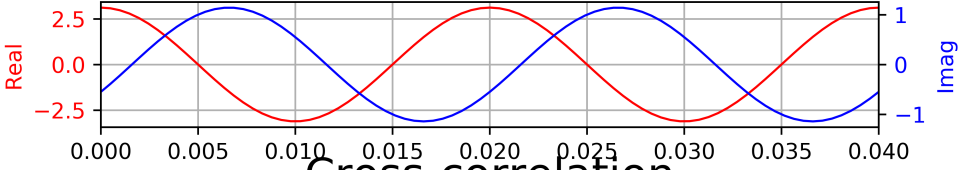
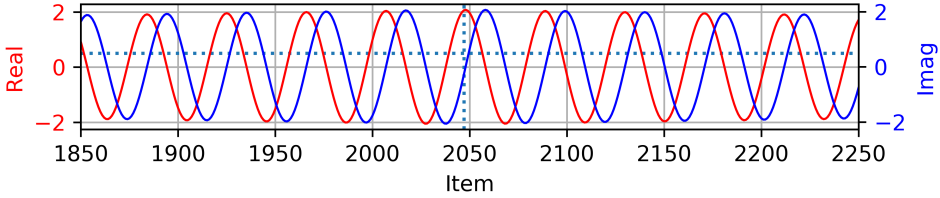
Start Time: 2019-11-05 17:30:45

Duration: 0:00:10

Status: Pass: 2

Test name	Parameters	Stack	Status
test_001_t: without imbalance	Sample rate = 2048 Hz; Input Frequency = 50.000 Hz; Input Amplitude = 1.000 V; Input Offset = 0.000 V; Magnitude Imbalance = 0; Phase Imbalance = 0.000000; Origin = TX		Pass

Test name	Parameters	Stack	Status
	<div>qa_iqbal_gen: test_001_t</div> <div>Input</div>  <div>Output</div>  <div>Cross-correlation</div> 		
test_002_t: with imbalance	Sample rate = 2048 Hz; Input Frequency = 50.000 Hz; Input Amplitude = 1.000 V; Input Offset = 0.000 V; Magnitude Imbalance = 10; Phase Imbalance = - 10.000000; Origin = TX		Pass

Test name	Parameters	Stack	Status
	qa_iqbal_gen: test_002_t		
	Input		
			
	Output		
			
	Cross-correlation		
			
Total Tests Run:	Pass: 2		

qa_null_source_sink

Path header file: NOT FOUND header_file_path!

Checksum header file: NOT FOUND checksum_header_file!

Path second header file: NOT FOUND header_impl_file_path!

Checksum second header file: NOT FOUNDchecksum_header_impl_file!

Path C++ file: NOT FOUND cpp_impl_file_path!

Checksum C++ file: NOT FOUND checksum_cpp_impl_file!

Path test file: /mnt/c/Users/amir/WSL/grc/gr-flaress/python/qa_null_source_sink.py

Checksum test file: 025da295867dc946d1ab05133e536949

Start Time: 2019-11-05 17:30:07

Duration: 0:00:00

Status: Pass: 7

Test name	Stack	Status
test_001: with Float		Pass
test_002: with Int		Pass
test_003: with Short		Pass
test_004: with Byte		Pass
test_005: with Int64		Pass
test_006: with Float64 (Double)		Pass
test_007: with Complex		Pass
Total Tests Run:	Pass: 7	

Test name	Stack	Status
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qa_selector

Path header file: /mnt/c/Users/amir/WSL/grc/gr-flaress/include/flaress/selector.h

Checksum header file: 0626baf45acc6d6884762dff53cf0549

Path second header file: /mnt/c/Users/amir/WSL/grc/gr-flaress/lib/selector_impl.h

Checksum second header file: 654f42462dd47cbdc48aee4c75ac856

Path C++ file: /mnt/c/Users/amir/WSL/grc/gr-flaress/lib/selector_impl.cc

Checksum C++ file: de06b8116e7a0eac52a7b680fe543b43

Path test file: /mnt/c/Users/amir/WSL/grc/gr-flaress/python/qa_selector.py

Checksum test file: bd10137b2f8ff75ef68ddf3a707f1b83

Start Time: 2019-11-05 17:29:12

Duration: 0:00:52

Status: Pass: 3, Fail: 4, Error: 3

Test name	Parameters	Stack	Status
test_001_f: mux float version with 2 inputs	no parameters	(' Items outputted from in0: ', 8192) (' Items outputted from in1: ', 4096) (' Items lost: ', 0) - Final order of the selector: 1; - Set function received at the moment (of the simulation): 2.00 s;	Pass
test_001_i: mux int version with 2 inputs	no parameters	AssertionError 0 not greater than 0	Fail
test_001_l: mux int64 version with 2 inputs	no parameters	AssertionError 0 not greater than 0	Fail
test_001_c: mux complex version with 2 inputs	no parameters	IndexError tuple index out of range	Error

Test name	Parameters	Stack	Status
test_001_d: mux double version with 2 inputs	no parameters	IndexError tuple index out of range	Error
test_002_c: mux version with 3 inputs	no parameters	IndexError tuple index out of range	Error
test_003_c: demux version with 2 outputs	no parameters	AssertionError 8192 != 0	Fail
test_004_c: demux version with 3 outpus	no parameters	AssertionError 8192 != 0	Fail
test_005_c: mux complex version in switcher mode	no parameters	('- Items outputted from in: ', 16384) ('- Items lost: ', 4095) - Final order of the selector: 0; - First Set function (Turn OFF) received at the moment (of the simulation): 1.00 s; - Second Set function (Turn ON) received at the moment (of the simulation): 2.00 s;	Pass
test_006_c: mux complex version with tagged streams	no parameters	- Tag received properly	Pass
Total Tests Run:	Pass: 3, Fail: 4, Error: 3		

qa_sine_debug

Path python file: /mnt/c/Users/amir/WSL/grc/gr-flaress/python/sine_debug.py

Checksum python file: 3a3a46f9068493793bee0a6eff4a67b1

Path test file: /mnt/c/Users/amir/WSL/grc/gr-flaress/python/qa_sine_debug.py

Checksum test file: 369be915cbdc0658c42d7355c51f85cf

Start Time: 2019-11-05 17:31:20

Duration: 0:00:00

Status: Pass: 2

Test name	Stack	Status
test_001: with sine wave	1.99996936621 6.10342178858e-05	Pass
test_002: with cossine wave	2.99995419582 0.000137327003596	Pass
Total Tests Run:	Pass: 2	

qa_snr_estimator

Path header file: NOT FOUND header_file_path!

Checksum header file: NOT FOUND checksum_header_file!

Path second header file: NOT FOUND header_impl_file_path!

Checksum second header file: NOT FOUNDchecksum_header_impl_file!

Path C++ file: NOT FOUND cpp_impl_file_path!

Checksum C++ file: NOT FOUND checksum_cpp_impl_file!

Path test file: /mnt/c/Users/amir/WSL/grc/gr-flaress/python/qa_snr_estimator.py

Checksum test file: 645c519bf9fc2904f668c01ea7bae162

Start Time: 2019-11-05 17:30:58

Duration: 0:00:21

Status: Pass: 3

Test name	Parameters	Stack	Status
test_001_t: CNR with fixed noise bandwidth	no parameters	/pr!Signal amplitude= 1.00 V; Noise amplitude= 1.00 V; f_samp= 32000.0 Hz; f_signal= 2000.0 Hz; Signal Bandwidth = 10.0 Hz; Noise Bandwidth = 2000.0 Hz, FFT size = 4096/pr! ('SNR evaluated with variance:', 12.054033778851945) ('SNR estimated:', 15.1822753414031)	Pass
test_002_t: CNR with all spectrum	no parameters	/pr!Signal amplitude= 1.00 V; Noise amplitude= 1.00 V; f_samp= 32000.0 Hz; f_signal= 2000.0 Hz; Signal Bandwidth = 10.0 Hz; Noise Bandwidth = 2000.0 Hz, FFT size = 4096/pr! ('SNR evaluated variance:', - 0.007074140556272292) ('SNR estimated:', - 0.012135735570242809)	Pass

Test name	Parameters	Stack	Status
test_003_t: SNR with fixed noise bandwidth	no parameters	/pr!Signal amplitude= 1.00 V; Noise amplitude= 1.00 V; f_samp= 32000.0 Hz; f_signal= 2000.0 Hz; Signal Bandwidth = 200.0 Hz; Noise Bandwidth = 2000.0 Hz, FFT size = 4096/pr! ('SNR evaluated variance:', 12.05099845774238) ('SNR estimated:', 15.243180182672315)	Pass
Total Tests Run:		Pass: 3	

qa_vector_sink_source_double

Path header file: NOT FOUND header_file_path!

Checksum header file: NOT FOUND checksum_header_file!

Path second header file: NOT FOUND header_impl_file_path!

Checksum second header file: NOT FOUNDchecksum_header_impl_file!

Path C++ file: NOT FOUND cpp_impl_file_path!

Checksum C++ file: NOT FOUND checksum_cpp_impl_file!

Path test file: /mnt/c/Users/amir/WSL/grc/gr-flaress/python/qa_vector_sink_source_double.py

Checksum test file: e03b4fd485004b3f9e8e4c0bf78e31f7

Start Time: 2019-11-05 17:30:05

Duration: 0:00:00

Status: Pass: 7

Test name	Stack	Status
test_001: that sink has data set in source for the simplest case		Pass
test_002: vectors (the gnuradio vector I/O type)		Pass
test_003: that we can only make vectors (the I/O type) if the input vector has sufficient size		Pass
test_004: sending and receiving tagged streams		Pass
test_005: that repeat works (with tagged streams)		Pass
test_006: set_data		Pass

Test name	Stack	Status
test_007: set_repeat		Pass
Total Tests Run:	Pass: 7	

qa_vector_sink_source_int64

Path header file: NOT FOUND header_file_path!

Checksum header file: NOT FOUND checksum_header_file!

Path second header file: NOT FOUND header_impl_file_path!

Checksum second header file: NOT FOUNDchecksum_header_impl_file!

Path C++ file: NOT FOUND cpp_impl_file_path!

Checksum C++ file: NOT FOUND checksum_cpp_impl_file!

Path test file: /mnt/c/Users/amir/WSL/grc/gr-flaress/python/qa_vector_sink_source_int64.py

Checksum test file: 976064ccdddf703fcac93f9add4c562

Start Time: 2019-11-05 17:30:06

Duration: 0:00:00

Status: Pass: 7

Test name	Stack	Status
test_001: that sink has data set in source for the simplest case		Pass
test_002: vectors (the gnuradio vector I/O type)		Pass
test_003: that we can only make vectors (the I/O type) if the input vector has sufficient size		Pass
test_004: sending and receiving tagged streams		Pass
test_005: that repeat works (with tagged streams)		Pass
test_006: set_data		Pass

Test name	Stack	Status
test_007: set_repeat		Pass
Total Tests Run:	Pass: 7	