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gnuradio.noaa

Blocks and utilities for NOAA app.

`gnuradio.noaa.hrpt_decoder(bool verbose, bool output_files)` → `hrpt_decoder_sptr`
 NOAA HRPT Decoder.

Constructor Specific Documentation:

Make NOAA HRPT Decoder.

Parameters:

- `verbose` –
- `output_files` –

`hrpt_decoder_sptr.active_thread_priority(hrpt_decoder_sptr self)` → `int`

`hrpt_decoder_sptr.declare_sample_delay(hrpt_decoder_sptr self, int which, int delay)`

`declare_sample_delay(hrpt_decoder_sptr self, unsigned int delay)`

`hrpt_decoder_sptr.message_subscribers(hrpt_decoder_sptr self, swig_int_ptr which_port)` → `swig_int_ptr`

`hrpt_decoder_sptr.min_noutput_items(hrpt_decoder_sptr self)` → `int`

`hrpt_decoder_sptr.pc_input_buffers_full_avg(hrpt_decoder_sptr self, int which)` → `float`

`pc_input_buffers_full_avg(hrpt_decoder_sptr self)` → `pmt_vector_float`

`hrpt_decoder_sptr.pc_noutput_items_avg(hrpt_decoder_sptr self)` → `float`

`hrpt_decoder_sptr.pc_nproduced_avg(hrpt_decoder_sptr self)` → `float`

`hrpt_decoder_sptr.pc_output_buffers_full_avg(hrpt_decoder_sptr self, int which)` → `float`

`pc_output_buffers_full_avg(hrpt_decoder_sptr self)` → `pmt_vector_float`

`hrpt_decoder_sptr.pc_throughput_avg(hrpt_decoder_sptr self)` → `float`

`hrpt_decoder_sptr.pc_work_time_avg(hrpt_decoder_sptr self)` → `float`

`hrpt_decoder_sptr.pc_work_time_total(hrpt_decoder_sptr self)` → `float`

`hrpt_decoder_sptr.sample_delay(hrpt_decoder_sptr self, int which)` → `unsigned int`

`hrpt_decoder_sptr.set_min_noutput_items(hrpt_decoder_sptr self, int m)`

`hrpt_decoder_sptr.set_thread_priority(hrpt_decoder_sptr self, int priority)` → `int`

`hrpt_decoder_sptr.thread_priority(hrpt_decoder_sptr self)` → `int`

`gnuradio.noaa.hrpt_deframer()` → `hrpt_deframer_sptr`
 NOAA HRPT Deframer.

Constructor Specific Documentation:

Make NOAA HRPT Deframer.

`hrpt_deframer_sptr.active_thread_priority(hrpt_deframer_sptr self)` → `int`

`hrpt_deframer_sptr.declare_sample_delay(hrpt_deframer_sptr self, int which,`

int delay)

`declare_sample_delay(hrpt_deframer_sptr self, unsigned int delay)`

`hrpt_deframer_sptr.message_subscribers(hrpt_deframer_sptr self, swig_int_ptr which_port) → swig_int_ptr`

`hrpt_deframer_sptr.min_noutput_items(hrpt_deframer_sptr self) → int`

`hrpt_deframer_sptr.pc_input_buffers_full_avg(hrpt_deframer_sptr self, int which) → float`

`pc_input_buffers_full_avg(hrpt_deframer_sptr self) -> pmt_vector_float`

`hrpt_deframer_sptr.pc_noutput_items_avg(hrpt_deframer_sptr self) → float`

`hrpt_deframer_sptr.pc_nproduced_avg(hrpt_deframer_sptr self) → float`

`hrpt_deframer_sptr.pc_output_buffers_full_avg(hrpt_deframer_sptr self, int which) → float`

`pc_output_buffers_full_avg(hrpt_deframer_sptr self) -> pmt_vector_float`

`hrpt_deframer_sptr.pc_throughput_avg(hrpt_deframer_sptr self) → float`

`hrpt_deframer_sptr.pc_work_time_avg(hrpt_deframer_sptr self) → float`

`hrpt_deframer_sptr.pc_work_time_total(hrpt_deframer_sptr self) → float`

`hrpt_deframer_sptr.sample_delay(hrpt_deframer_sptr self, int which) → unsigned int`

`hrpt_deframer_sptr.set_min_noutput_items(hrpt_deframer_sptr self, int m)`

`hrpt_deframer_sptr.set_thread_priority(hrpt_deframer_sptr self, int priority) → int`

`hrpt_deframer_sptr.thread_priority(hrpt_deframer_sptr self) → int`

`gnuradio.noaa.hrpt_pll_cf(float alpha, float beta, float max_offset) →`

`hrpt_pll_cf_sptr`

NOAA HRPT PLL.

Constructor Specific Documentation:

Parameters:

- **alpha** –
- **beta** –
- **max_offset** –

`hrpt_pll_cf_sptr.active_thread_priority(hrpt_pll_cf_sptr self) → int`

`hrpt_pll_cf_sptr.declare_sample_delay(hrpt_pll_cf_sptr self, int which, int delay)`

`declare_sample_delay(hrpt_pll_cf_sptr self, unsigned int delay)`

`hrpt_pll_cf_sptr.message_subscribers(hrpt_pll_cf_sptr self, swig_int_ptr which_port) → swig_int_ptr`

`hrpt_pll_cf_sptr.min_noutput_items(hrpt_pll_cf_sptr self) → int`

`hrpt_pll_cf_sptr.pc_input_buffers_full_avg(hrpt_pll_cf_sptr self, int which) → float`

`pc_input_buffers_full_avg(hrpt_pll_cf_sptr self) -> pmt_vector_float`

`hrpt_pll_cf_sptr.pc_noutput_items_avg(hrpt_pll_cf_sptr self) → float`

`hrpt_pll_cf_sptr.pc_nproduced_avg(hrpt_pll_cf_sptr self) → float`

`hrpt_pll_cf_sptr.pc_output_buffers_full_avg(hrpt_pll_cf_sptr self, int which) → float`
`pc_output_buffers_full_avg(hrpt_pll_cf_sptr self) -> pmt_vector_float`
`hrpt_pll_cf_sptr.pc_throughput_avg(hrpt_pll_cf_sptr self) → float`
`hrpt_pll_cf_sptr.pc_work_time_avg(hrpt_pll_cf_sptr self) → float`
`hrpt_pll_cf_sptr.pc_work_time_total(hrpt_pll_cf_sptr self) → float`
`hrpt_pll_cf_sptr.sample_delay(hrpt_pll_cf_sptr self, int which) → unsigned int`
`hrpt_pll_cf_sptr.set_alpha(hrpt_pll_cf_sptr self, float alpha)`
`hrpt_pll_cf_sptr.set_beta(hrpt_pll_cf_sptr self, float beta)`
`hrpt_pll_cf_sptr.set_max_offset(hrpt_pll_cf_sptr self, float max_offset)`
`hrpt_pll_cf_sptr.set_min_noutput_items(hrpt_pll_cf_sptr self, int m)`
`hrpt_pll_cf_sptr.set_thread_priority(hrpt_pll_cf_sptr self, int priority) → int`
`hrpt_pll_cf_sptr.thread_priority(hrpt_pll_cf_sptr self) → int`