
Subject: problem with a processor (software-wise)
Posted by [thuyuk](#) on Fri, 08 Aug 2014 14:23:39 GMT
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Hi all,

I want to test an array of data with some 1D conditions and then set output of another array of data when the first data set fulfill the condition.

So, I modified Gate1D.cpp and .hpp as the following:

```
#include "Gate1D.hpp"
#include <iostream>
#include <cmath>

Gate1D::Gate1D(const std::string &config_dir,
               const std::string &name,
               const bool no_files)
: Processor(name, config_dir, no_files, std::vector<int>())
{
    // make all the in/outputs, parameters and coefficients
    // known by name.
    NAME_PARAMETER(num_channels);
    init();
    read_parameters();

    NAME_CONDITION_ARRAY(reference_gate, Window1D, parameter(num_channels));

    NAME_INPUT_ARRAY(value, parameter(num_channels));
    NAME_INPUT_ARRAY(value2test, parameter(num_channels));

    NAME_OUTPUT_ARRAY(GatedValue, parameter(num_channels));

    init();
    read_conditions();
}

Gate1D::~Gate1D()
{
}

void Gate1D::process(prespec::viscon::Interface &viscon_interface, int trigger)
{
    int chnr = parameter(num_channels);

    for (int i = 0; i<chnr; i++)
    {
```

```

double left_gate = condition_array(reference_gate, i, 0);
double right_gate = condition_array(reference_gate, i, 1);

if(input_array_value(value, i) == 0 && input_array_value(value2test, i) == 0 )
    return;

if (input_array_value(value2test, i) > left_gate && input_array_value(value2test, i) <
right_gate)
{
double girdi = input_array_value(value, i);
fill_output_array(GatedValue, i, girdi);
}

}

}

```

I created required Processor.par and Processor.con files which have parameter and the conditions, respectively.

When I want to run this processor, I get the following error:

```

go4analysis: prespec/process/Processor.cpp:665: const double&
prespec::process::Processor::input_array_value(int, int): Assertion
`input_arrays_[channel].size() > i' failed.

```

I checked if any of input_array_value requests data from any of the channel which has a number that is out of range of the array, but I couldn't see it.

If anyone could tell me what seems to be the problem, I would be grateful.

Thanks!
Tayfun