

## GammaLib - Bug #1077

### Test report contains invalid XML for method names with & (C++ references)

01/13/2014 06:25 PM - Owen Ellis

<b>Status:</b>	Closed	<b>Start date:</b>	01/13/2014
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assigned To:</b>	Knödseder Jürgen	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	1.0.0		
<b>Description</b>			
I am currently adding unit tests for GModelSpectralGauss. The test/reports/GModel.xml output file contains invalid XML for this method with an & symbol:			
<pre>eowen@hfm-1307f:~/software/gammlib\$ xmllint test/reports/GModel.xml test/reports/GModel.xml:338: parser error : xmlParseEntityRef: no name   &lt;error message="*** ERROR in GOptimizerPar::factor_value(double&amp;): Invalid     ^</pre>			

#### History

##### #1 - 01/13/2014 06:55 PM - Knödseder Jürgen

Thanks Owen for reporting. I have recognized this issue already for " symbols, but I forgot to raise an issue.

##### #2 - 01/19/2014 02:03 AM - Knödseder Jürgen

- Target version deleted (00-08-00)

##### #3 - 01/22/2014 10:02 PM - Knödseder Jürgen

See [http://en.wikipedia.org/wiki/List\\_of\\_XML\\_and\\_HTML\\_character\\_entity\\_references](http://en.wikipedia.org/wiki/List_of_XML_and_HTML_character_entity_references) for the translation that needs to be done. This implies that the following automatic conversions should be implemented:

Character	converted to
"	&quot;
&	&amp;
'	&apos;
<	&lt;
>	&gt;

A decision needs to be made on when the conversion should be done. Possibilities are during access of the information (e.g. during reading and writing for example attributes), or during parsing. Maybe better during access of the information, so that the GXml object always contains the converted characters.

As the conversion functions are needed in several places, the functions may be implemented in the GTools module.

**#4 - 10/30/2014 12:00 PM - Knödseder Jürgen**

- *Target version set to 1.0.0*

This should be done for release version 1.0.0

**#5 - 10/31/2014 11:29 PM - Knödseder Jürgen**

- *Status changed from New to Closed*

- *% Done changed from 0 to 100*

This is fixed now, merged into devel branch.